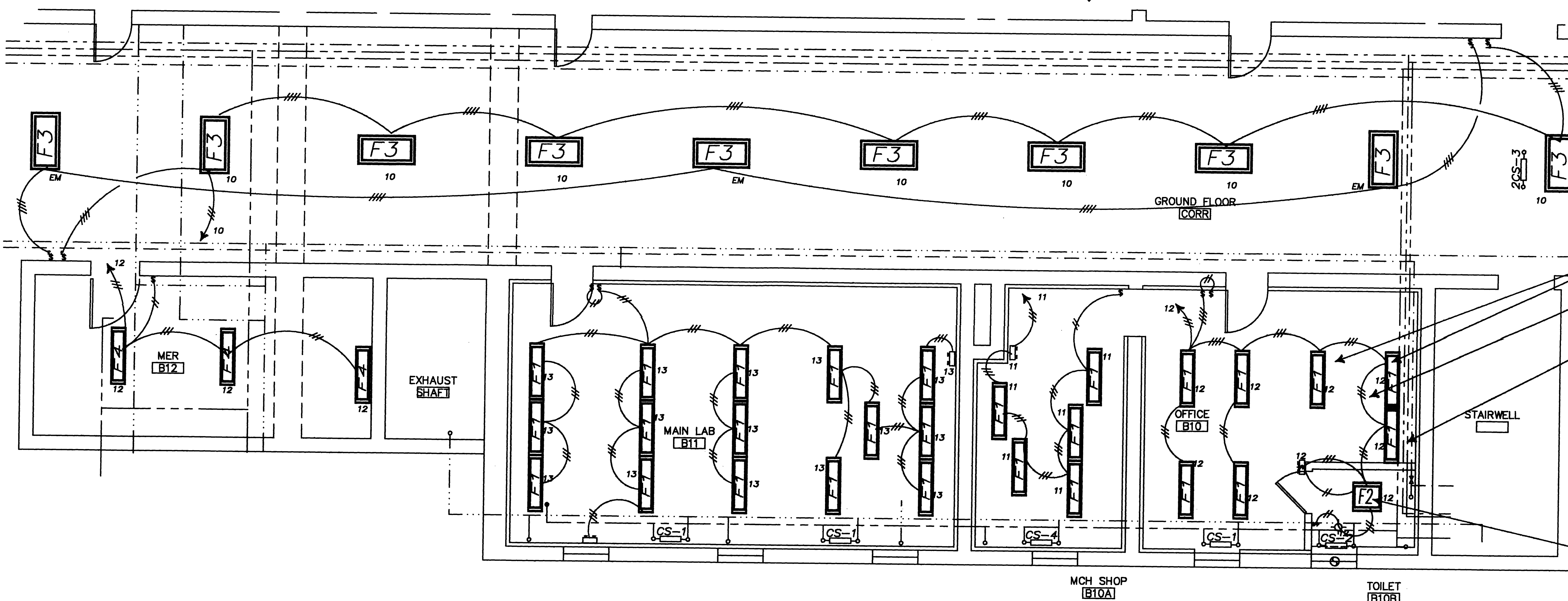


1 ARCHITECTURAL LAYOUT PLAN
2A1 1/4"=1'-0"



2 REFLECTED CEILING PLAN
2A1 1/4"=1'-0"

ABBREVIATIONS & NOTES

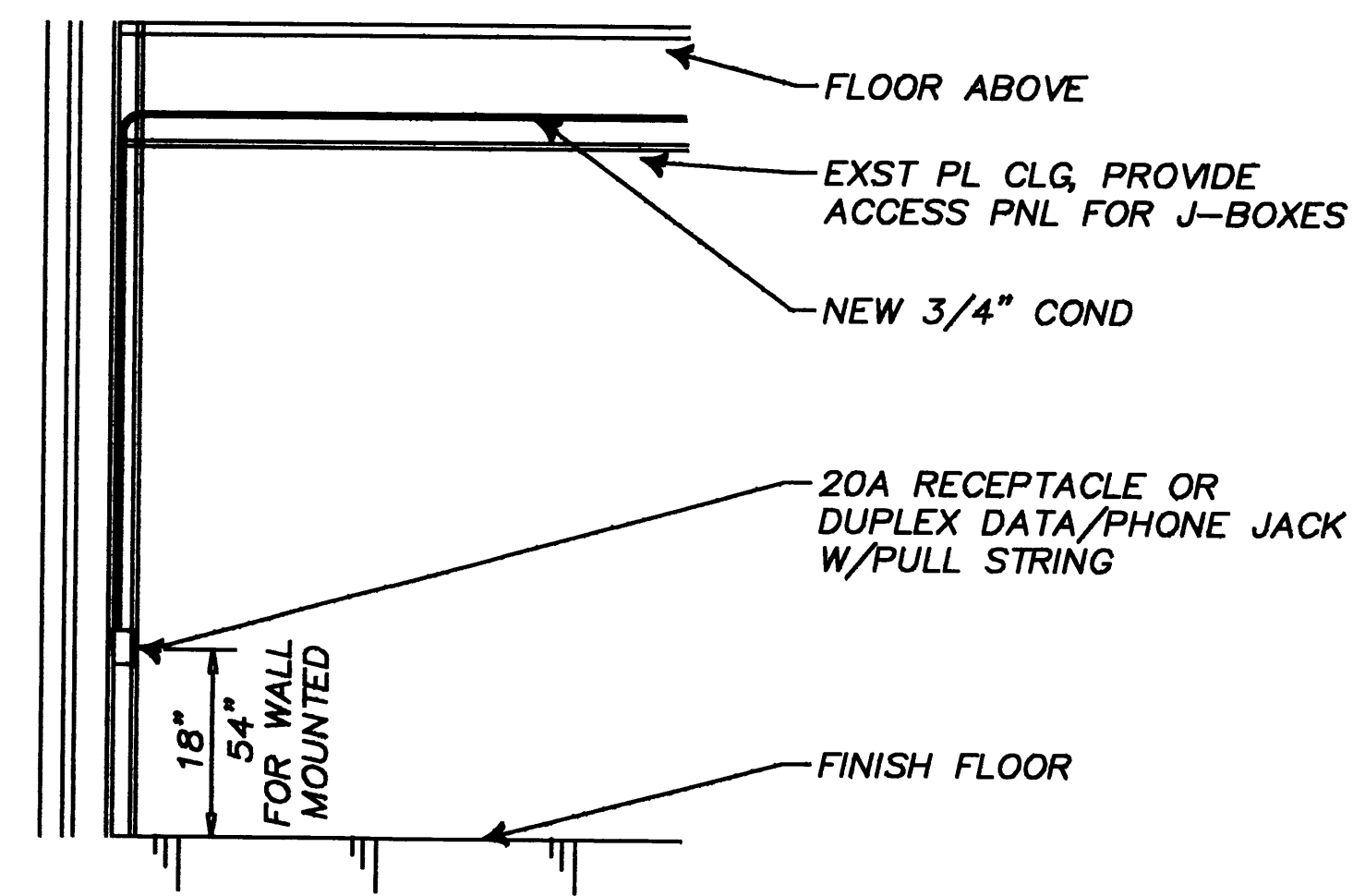
- F2** NEW 2X4 FLUORESCENT FIXTURE SEE FIXTURE SCHEDULE
"F2" INDICATES FIXTURE TYPE, "2" INDICATES CKT NO.
- F4** NEW 1X4 FLUORESCENT FIXTURE SEE FIXTURE SCHEDULE
"F4" INDICATES FIXTURE TYPE "2" INDICATES CKT NO.
- EM** NEW FLUORESCENT FIXTURE CONN'D TO EXST EMER CKTS, PNL 2X EMERGENCY PANEL
- J-BOX** J-BOX
- THHN** THHN WIRE, NUMBER OF "/" INDICATES NO. OF WIRES
- V.I.F.** V.I.F. EXACT NO. REQUIRED, 3/4" COND, TYP
- CONDUIT ABOVE PLASTER CEILING, TYP** 3/4" COND, TYP
- CONDUIT BELOW PLASTER CEILING, TYP** 3/4" COND, TYP
- 20A** 20A, SINGLE POLE, SPEC GRADE SWITCH
- 20A, 3-WAY, SPEC GRADE SWITCH**
- 60A** 60A FUSED D/S W/40A DUAL ELEMENT TIME DELAY FUSES IN ACCORD W/MFG'S RECOMMENDATIONS
- PANEL BOARD** PANEL BOARD, SEE PANEL SCHEDULES
- FIRE ALARM, COMBINATION STROBE & CHIME**
- FIRE ALARM, MANUAL PULL STATION**
- FIRE ALARM, SMOKE DETECTOR & BASE**
- FIRE ALARM, SMOKE DETECTOR, DUCT TYPE, & BASE**
- EXIT SIGN** EXIT SIGN TO MATCH EXISTING LITHONIA, "R" IS EXST RELOCATED, & "E" IS EXST SHALL REMAIN, ALL OTHERS NEW
- DUPLEX DATA & PHONE JACK** SEE DETAIL 32 SIM INST'LN
- "W"** "W" IS WALL MOUNTED AT 4" AFF, ALL OTHERS 18" AFF
- "P"** "P" IS PARTITION TYPE - PROVIDE JUNCTION BOX, SS BLANK COVER, & (4) COMBINATION DATA/PHONE JACKS, CONN TO PARTITION W/LIQUID TIGHT FLEX COND. "C" IS WALL MNTD COMB DATA/PHONE JACK AT 18" AFF
- 6V D.C. EMERGENCY LIGHT W/2 LAMPHEADS MTD AT 7'6" AFF** USE CHLORIDE NICAD TO MATCH EXST

ACTUAL WALL THICKNESSES NOT SHOWN,
WALL THICKNESSES VARY FROM 12 TO 24"
FIELD VERIFY THICKNESS & LOCATION OF
ALL UTILITIES & DIMENSIONS

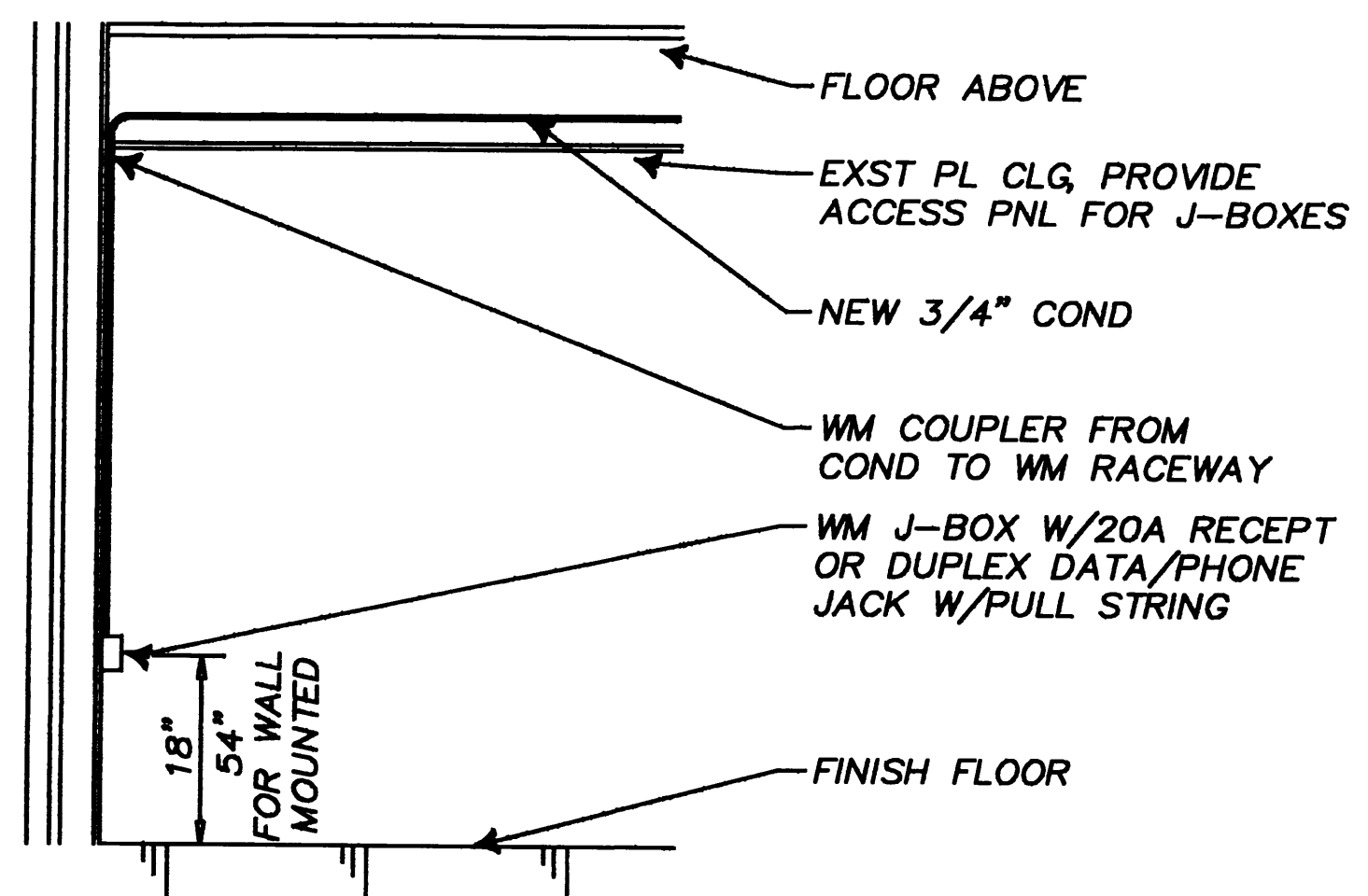
SCANNED
AUG 26 1998

Drawing Title ELECTRICAL LIGHTING, RECEPTACLES, & COMMUNICATION FLOOR PLANS	Project Title BIOPHYSICS LABORATORY BUILDING 2	Date 6/9/92
Approved: Division Chief 1/4"=1'-0"	Building Number 2	Project No. MEDICAL COLLEGE
Approved: Service Director FREDERICK BRUHN	Checked RB	Drawn JWD
Location MILWAUKEE, WISCONSIN	Drawing No. 2E1	Date 6/9/92

Veterans
Administration



1 WM J-BOX RECEPTACLE
2E2 3/8"=1'-0"



2 WM J-BOX RECEPTACLE
2E2 3/8"=1'-0"

EQUIPMENT FEEDER SCHEDULE

FROM SOURCE	TO EQUIP	QTY	FEEDER SIZE	QTY	CONDUIT SIZE	REMARKS
MDP 400A	D/S UL3 200A	(4)	4/0 THHN #6 GRND	1	2-1/2"	
D/S UL3 200A	PNL UL3 200A	4	4/0 THHN #6	1	2-1/2"	
PNL UL3 200A	WELDER 80A	(4)	#4 #8	1	1-1/4"	
PNL UL3 200A	5-TON A/C WTR COOLED	(4)	#8 THHN #10 GRND	1	3/4"	
PNL UL3 200A	LATHE 12A	(2)	#12 THHN #12 GRND	1	3/4"	
PNL UL3 200A	SAW 8A	(2)	#12 THHN #12 GRND	1	3/4"	
PNL UL3 200A	DRILL PRESS 8A	(2)	#12 THHN #12 GRND	1	3/4"	
PNL UL3 200A	SANDER 11A	(2)	#12 THHN #12 GRND	1	3/4"	
PNL UL3 200A	GRINDER 7A	(2)	#12 THHN #12 GRND	1	3/4"	

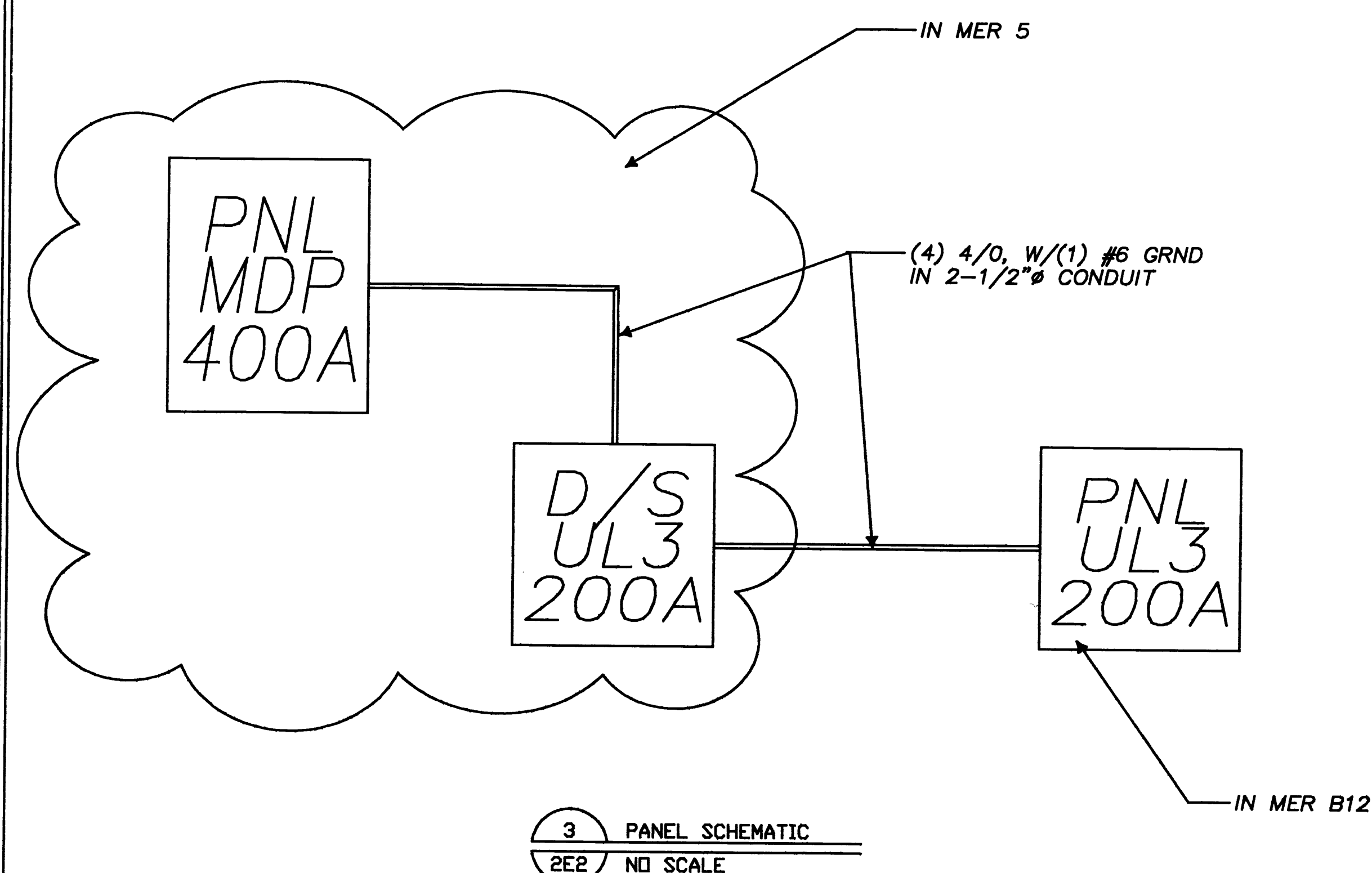
EQUIPMENT SWITCH SCHEDULE

EQUIP TAG	EQUIP VOLTS/#/HZ	QTY	MOTOR HP	RLA	C/B SIZE	D/S SIZE	REMARKS
5-TON A/C COMPRESSOR	208V/3#/60HZ	1	-	15.5	40A	40A	
5-TON A/C BLOWER	208V/3#/60HZ	1	3/4	7A	-	-	SEE COMPRESSOR
PNL UL3 200A PNL	208V/3#/60HZ	-	-	192	200A	200A	FUSED D/S FOR PNL
TEF-1 EXH FAN	208V/3#/60HZ	1	1/2	4.9	15	15	

PHASE <u>3-4-WIRE GRND</u>		<u>UL3</u>		<u>PANEL</u>		<u>MAIN BRKR 200A-3#</u>				
<u>VOLTAGE 120/208V</u>		<u>MOUNTING SURFACE</u>		<u>LUGS</u>		<u>-</u>				
LOAD DESCRIPTION	C/B	CONN LOAD (VA)				LOAD DESCRIPTION	C/B	CONN LOAD (VA)		
		A#	B#	C#	CKT #			A#	B#	C#
5-TON A/C	40A	TYPE	HQCR	C/B	1	2	TEF-1			15A
5-TON A/C	40A	TYPE	HQCR	C/B	3	4	SPARE			20A
SPARE	20A				5	6	SPARE			20A
SPARE	20A				7	8	SPARE			20A
SPARE	20A				9	10	CORR LGTS			20A
RM B10A LGTS	20A				11	12	RM B10 LGTS			20A
RM B11 LGTS	20A				13	14	RM B11 RESEP			20A
RM B11 RESEP	20A				15	16	RM B11 RESEP			20A
RM B11 RESEP	20A				17	18	RM B11 RESEP			20A
RM B11 RESEP	20A				19	20	SPARE			20A
RM B11 RESEP	20A				21	22	RM B11 RESEP			20A
RM B11 RESEP	20A				23	24	RM B11 RESEP			20A
RM B11 RESEP	20A				25	26	RM B11 RESEP			20A
RM B11A RESEP	20A				27	28	RM B10A WELDER			80A
RM B10A RESEP	20A				29	30	RM B10A WELDER			80A
RM B10A RESEP	20A				31	32	RM B10 RESEP			20A
RM B10 RESEP	20A				33	34	RM B10 RESEP			20A
SPARE	20A				35	36	RM B10 RESEP			20A
-	-				37	38	-			-
-	-				39	40	-			-
-	-				41	42	-			-
SUB TOTALS					SUB TOTALS					
CONN LOAD (VA) A#		CONN. LOAD AMPS				DEMAND LOAD AMPS				
CONN LOAD (VA) B#		FEEDER SIZE				(4)-4/0, (1) #6				
CONN LOAD (VA) C#		SERVED FROM				MDP				
TOTAL CONN. LOAD (VA)		PANEL LOCATION				RM B12				
TOTAL DEM. LOAD (VA)						BUILDING 2				

LIGHTING FIXTURE SCHEDULE						
SYMBOL	FIXT. TYPE	FIXTURE MODEL OR VA APPROVED EQUAL	MOUNTING TYPE	LAMPS	VOLTS	REMARKS
	F-1	LITHONIA SP240RWA19	RECESSED GYPBD CLG	(2) F40WW-ES	120V	1' X 4' FLUOR LGT FIXT
	F-2	LITHONIA 2M2U40	SURFACE GYPBD CLG	(2) F40WW-ES	120V	2' X 2' FLUOR. LGT FIXT
	F-3	LITHONIA 2M240	SURFACE STEM HUNG	(3) F40WW-ES	120V	2' X 4' FLUOR LGT FIXT
	F-4	LITHONIA SB240	SURFACE STEM HUNG	(2) F40WW-ES	120V	1' X 4' FLUOR. LGT FIXT
	F-5	LITHONIA R03	RECESSED GYPBD CLG	(1) 13W LQ	120V	6" FLUOR. LGT FIXT
	F-6	LITHONIA F2XP1RELN	SURFACE WALL MNTD	(2) 5W FLR (2) INCAND	120V	EXIT SIGN W/A.C. & NICAD BATT FWR
	F-7	CHLORIDE CNM-25-TS-2	SURFACE WALL	(2) 25W, 6V D.C. INCAND	120V	BATT OPER EMER LGT FIXT

ALL ELECTRONIC BALLASTS
ENERGY SAVING LAMPS

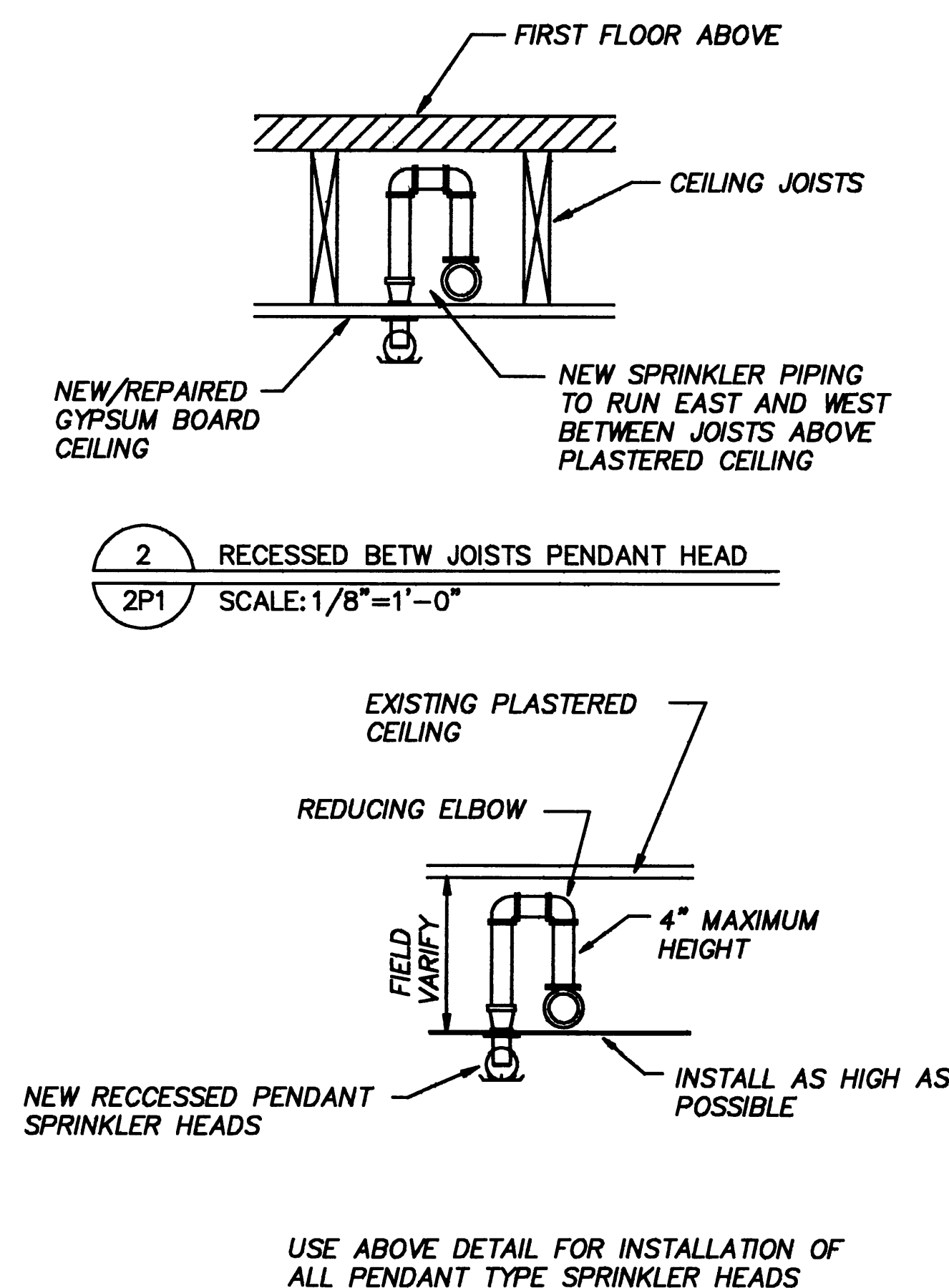


3 PANEL SCHEMATIC
2E2 NO SCALE

SCANNED
AUG 26 1998

Drawing Title ELECTRICAL SCHEDULES & DETAILS Approved Division Chief 1/8"=1'-0" Approved Service Director FREDERICK BRUHN	Project Title BIOPHYSICS LABORATORY BUILDING 2 Building Number 2 Location MILWAUKEE, WISCONSIN	Date 6/9/92 Project No. MEDICAL COLLEGE Drawing No. 2E2 Date Aug 11 1992
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Veterans Administration

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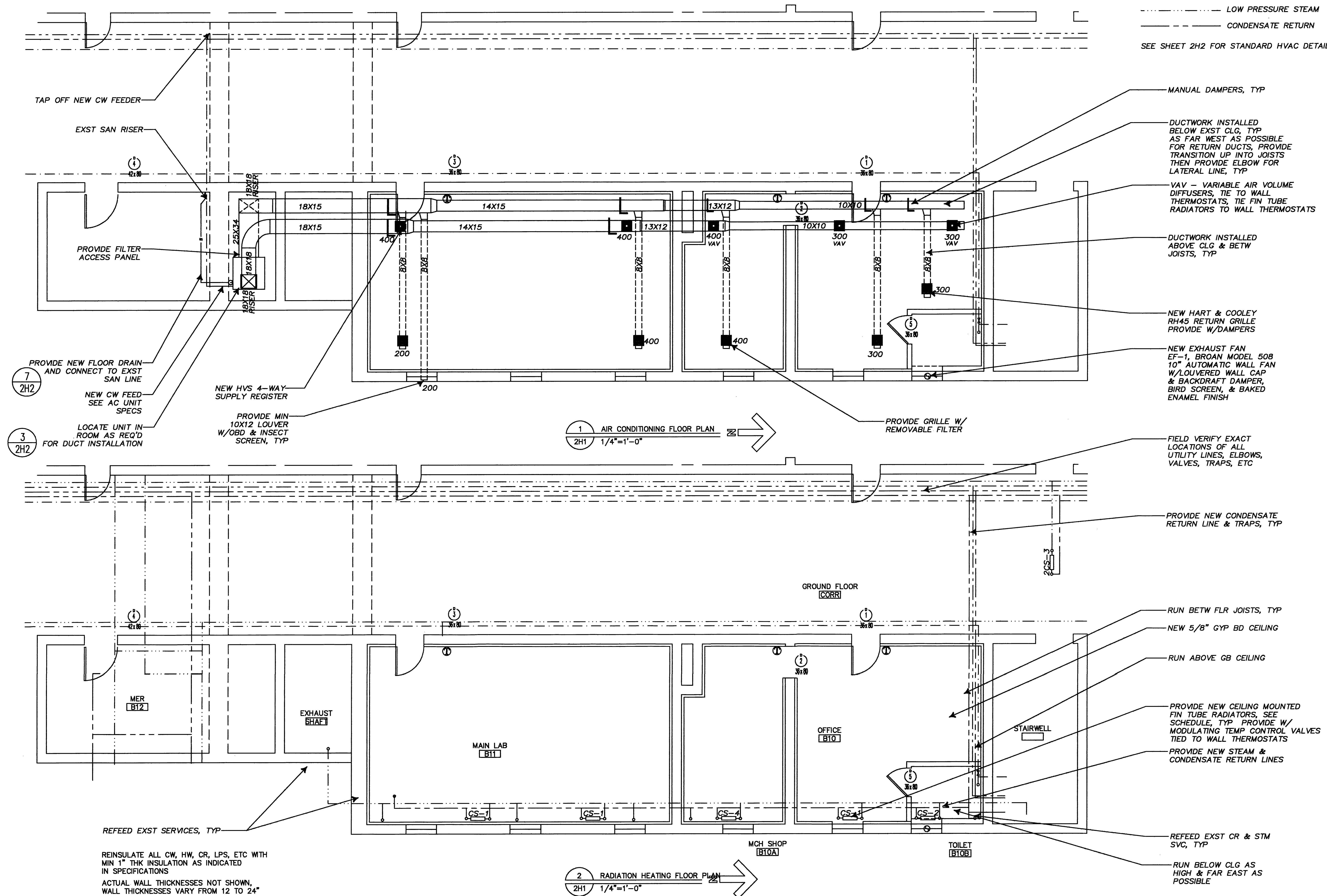
1 NEW RESTROOM PLAN
2P1 1/2"=1'-0"

3 OPEN AREA PENDANT HEAD DETAIL
2P1 SCALE: 1/8"=1'-0"

4 FIRE SPRINKLER PLAN
2P1 1/4"=1'-0"

SYMBOLS

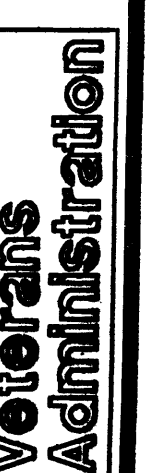
----- LOW PRESSURE STEAM
 ----- CONDENSATE RETURN
 SEE SHEET 2H2 FOR STANDARD HVAC DETAILS



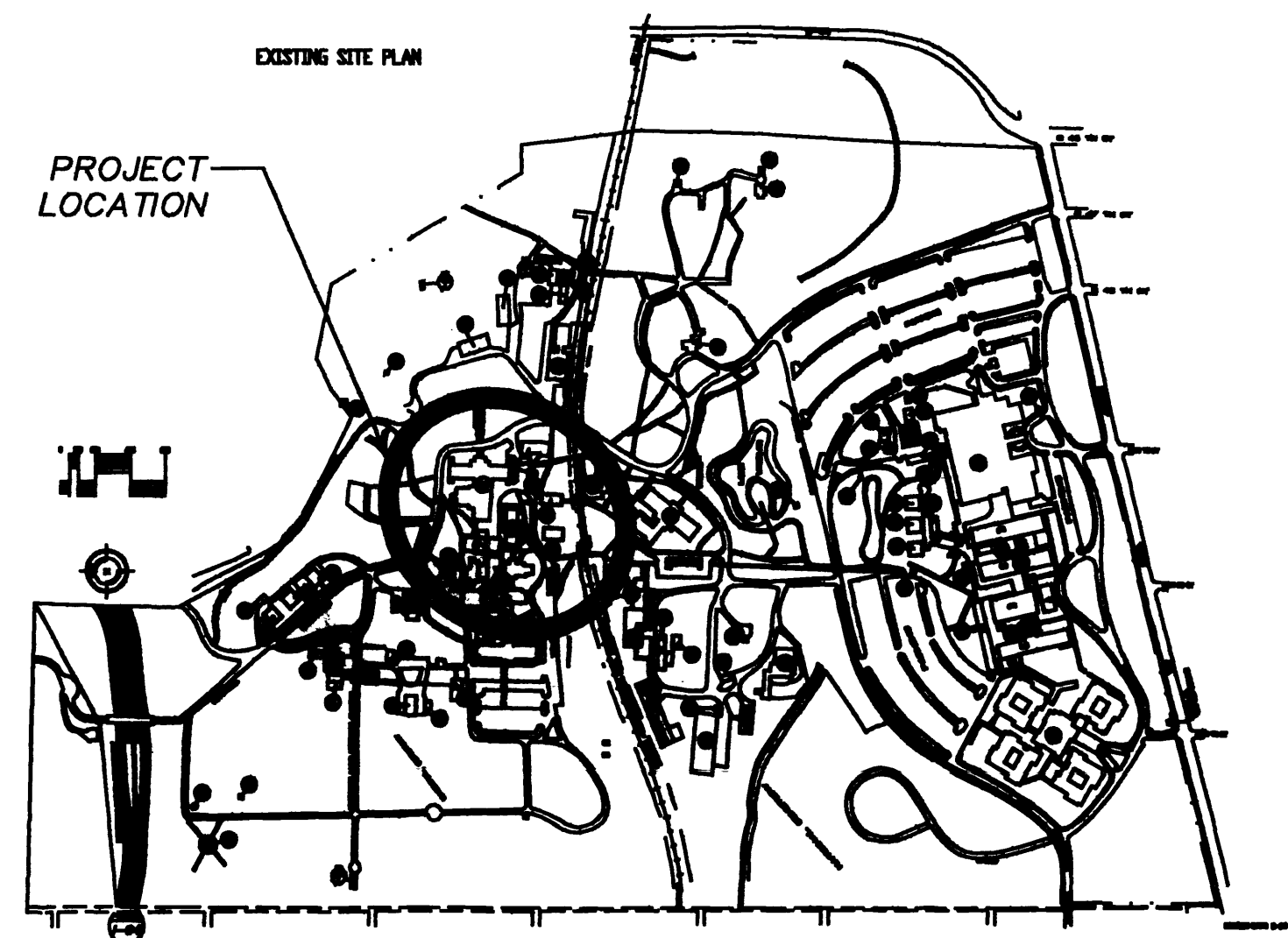
SCANNED
 AUG 26 1998

Drawing Title A.C. UNIT AND DUCT-WORK NEW STEAM, CR, & RADIATORS		Project Title BIOPHYSICS LABORATORY BUILDING 2		Date 6/9/92
Approved: Division Chief 1/4"=1'-0"	Building Number 2	Checked RB	Drawn JWD	Project No. MEDICAL COLLEGE
Approved: Services Director FREDERICK BRUHN		Location MILWAUKEE, WISCONSIN		Drawing No. 2H1
				Dep. 5 of 11

Veterans Administration



DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER
MILWAUKEE, WISCONSIN 53295
BIOPHYSICS LABORATORY
BUILDING 2



1 LOCATION MAP
1 1"=500'

GENERAL NOTES

ACM AND DEMOLITION NOTES

1. THE ASBESTOS REMOVAL SHOULD BE ISOLATED FROM THE DEMOLITION WORK AND ACCOMPLISHED PRIOR TO CONSTRUCTION, EXCEPT AS INDICATED.

2. ASBESTOS REMOVAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL MATERIALS CONTAINING ASBESTOS INCLUDING MATERIALS WITHIN PIPE CHASES, WALLS & FLOORS. ANY SUSPICIOUS MATERIAL SHALL BE TESTED BY THE REMOVAL CONTRACTOR WITH THE RESULTS PROVIDED TO THE RESIDENT ENGINEER.

3. CONTRACTOR TO PATCH AND REPAIR ALL AREAS AFFECTED BY DEMOLITION TO MATCH EXST. PATCHED AREAS ARE TO RECEIVE FINISHES & TRIM TO MATCH ADJACENT AREA. PATCH CEILINGS AND FLOORS TO ACHIEVE A CONTINUOUS FINISHED APPEARANCE.

4. OWNER SHALL HAVE THE OPTION OF SELECTING ANY OR ALL OF ITEMS WHICH ARE DESIGNATED TO BE REMOVED BY CONTRACTOR AS SALVAGE FOR THE OWNER. CONTRACTOR SHALL REMOVE SAID ITEMS WITH EXTREME CARE AND RETURN THEM TO OWNER.

5. CONTRACTOR SHALL REMOVE AND/OR RELOCATE PORTABLE EQUIPMENT, FURNITURE, CURTAIN RODS, AND DRAPERY WHICH WOULD INTERFERE WITH DEMOLITION WORK.

6. CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR SHORING REQUIREMENTS WERE DEMOLITION WORK AFFECTS THE STRUCTURAL INTEGRITY OF WALLS OR FLOORS.

7. REMOVE ASBESTOS FLOOR TILE, ALL MASTIC, UNDERLAYMENT BOARD, TAR PAPER, ETC AT ALL DUCT & UTILITY PENETRATIONS NEAR MECHANICAL ROOMS AND ON ALL FLOORS.

8. PROTECT ALL EXISTING SURFACES FROM DAMAGE ANY DAMAGED SURFACES SHALL BE REPLACED TO MATCH ORIGINAL ITEM OR REPAIRED TO MATCH EXISTING OR ADJ MATERIAL.

9. FIELD VERIFY EXTENT AND LOCATIONS OF ALL ACM PRIOR TO BID. CONTRACTOR RESPONSIBLE FOR REMOVAL OF ALL ACM, INSULATION, MASTIC, PAPER, TILE, ETC IN THE AREAS DESIGNATED FOR RENOVATION - COORDINATE EXTENT & LOCATION OF RENOVATED AREAS WITH ALL OTHER DISCIPLINES TO ENSURE ALL ACM IS REMOVED.

10. SOME PIPE MAY NOT BE SHOWN ON FLOOR PLANS. CONTRACTOR SHALL FIELD VERIFY AND IDENTIFY LOCATIONS OF PIPE AND ACM PIPE INSULATION WHICH MAY NOT BE NOTED PLANS. CAREFULLY DEMO CHASES PRIOR TO ACM REMOVAL TO EXPOSE ALL ACM.

11. REMOVE EXISTING ACM TRANSITE TYPE BOARD & PIPING INSULATION BEHIND RADIATORS, TYPICAL THROUGHOUT BUILDING.

12. REMOVE ALL ACM PIPE INSULATION FROM PIPES WITHIN CHASES, WALLS, CEILINGS, ETC.

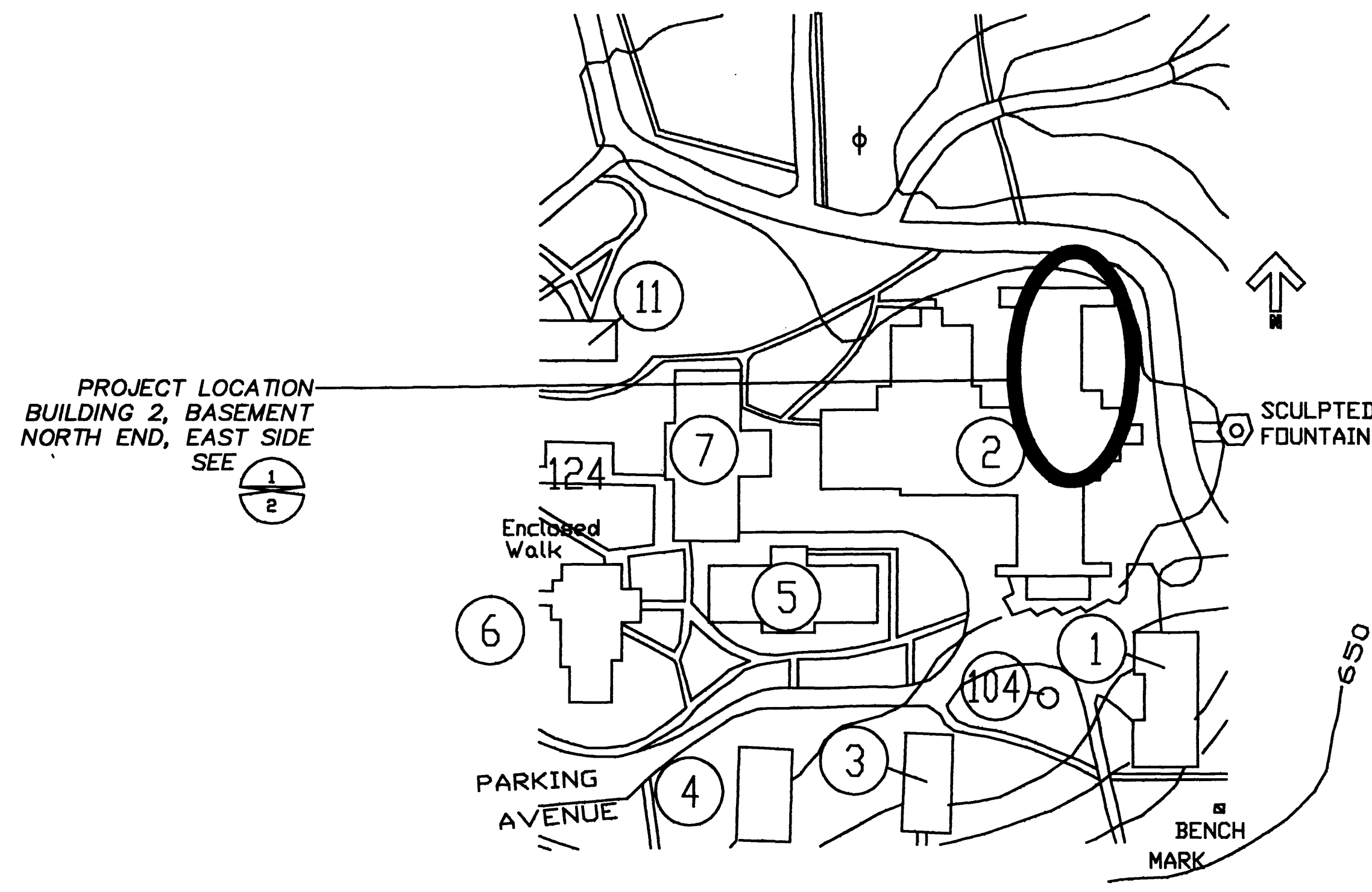
13. ALL UTILITY LINES SHALL BE RUN AS CLOSE AS POSSIBLE TO EXST PLASTER CLG. RELOCATE EXST LINES THAT INTERFERE WITH NEW WORK, THIS INCLUDES ALL FIXTURES, CHASES, DEVICES, EQUIPMENT, ETC. FIELD VERIFY PRIOR TO BID.

14. EXST FRAMING CONDITIONS AND DIMENSIONS SHOWN ON DRAWINGS ARE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION OF STEEL. IF EXISTING CONDITIONS NECESSITATE ALTERING FRAMING OR CONNECTIONS SHOWN ON DRAWINGS THE RESIDENT ENGINEER SHALL BE NOTIFIED AND THE REVISIONS SO NECESITATED SHALL BE APPROVED BY THE RESIDENT ENGINEER AT NO COST TO VA.

15. THE PARTITIONS SHALL RUN FROM THE FLOOR TO THE UNDERSIDE OF THE STRUCTURAL FLOOR ABOVE WITH OPENING ALLOWED FOR PIPING AND DUCTWORK WITH THESE OPENINGS AND THE ENTIRE PERIMETER SEALED WITH APPROVED RATED FIRE BARRIER & STOP MATERIALS.

16. PROTECT ELEV FRAMES AND FLOOR DURING ALL STAGES OF RENOVATION OF BUILDING. PROVIDE PLYWOOD ON WALLS, FLOORS, ETC FOR PROTECTION

17. LEVEL CONCRETE, WOOD, ETC FLOOR AREAS WITH SELF LEVELING CEMENT FOR ALL ACM FLOOR REMOVAL AREAS, MODIFICATIONS FOR NEW DOORWAY AREAS, FLOOR AREAS TO RECEIVE NEW FLOORING, & MODIFIED AREAS. ALL FLOORS SHALL BE LEVEL EXCEPT WHERE FLOOR SHALL SLOPE TOWARD EXST/NEW FLOOR DRAINS.



2 SITE PLAN
1 NO SCALE

18. VERIFY EXISTING CONDITIONS AND LOCATIONS IN FIELD PRIOR TO SUBMITTING PROPOSAL. FAILURE TO DO SO SHALL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK REQUIRED UNDER THIS CONTRACT.

19. ALL SUB/CONTRACTORS SHALL VISIT AND INSPECT THE EXISTING AREA AND SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ACTUAL JOB CONDITIONS BEFORE SIGNING CONTRACTS. NO EXTRAS WILL BE ALLOWED FOR WORK WHICH MIGHT HAVE BEEN REASONABLY FORESEEN BY AN INSPECTION OF THE PREMISES.

20. WHILE THE SIZE AND LOCATION OF NEW WORK AND EQUIPMENT IN THE EXISTING AREA HAS BEEN INDICATED ON THE DRAWINGS AS ACCURATELY AS POSSIBLE, CONTRACTOR SHALL ADJUST HIS WORK AS REQUIRED TO AVOID EXISTING UTILITIES, GAS LINES, SEWER, FIRE ALARM ROOF DRAINS, ACCESS COVERS, ETC. NOT PARTICULARLY SHOWN ON THE PLANS. WORK TO MEET ALL ACTUAL CONDITIONS ON THE EXISTING PREMISES. WITHOUT ANY FURTHER COST TO OWNER.

21. CONTRACTOR SHALL INSPECT THE PREMISES AND MAKE A DETAILED EXAMINATION OF ALL LOCATIONS WHERE NEW WORK IS TO BE INSTALLED AND SHALL EXAMINE EXISTING PIPING, CONDUITS, STRUCTURAL SUPPORTING BEAMS, ETC.

22. CONTRACTOR AFTER INSPECTING THE PREMISES AND THE DRAWINGS SHALL CALL THE ATTENTION OF THE ENGINEER, IN WRITING, TO ANY NECESSARY SPACE OR CLEARANCE REQUIRED BY THE VARIOUS EQUIPMENT BEFORE CONTRACT IS SIGNED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY IF HE NEGLECTS TO DO SO.

23. MAKE NECESSARY MODIFICATIONS AND ADJUSTMENTS TO ALL MECHANICAL, ELECTRICAL, STRUCTURAL, AND ARCHITECTURAL ITEMS AND EQUIPMENT, BOTH NEW AND EXISTING, AS MAY BE REQUIRED BY THESE ALTERATIONS AND ADDITIONS.

24. DISCONNECT AT SOURCE AND REMOVE EXISTING MECHANICAL AND ELECTRICAL MATERIALS AND EQUIPMENT WHICH ARE RENDERED OBSOLETE BY THESE ALTERATIONS AND ADDITIONS. REMOVED EQUIPMENT AND MATERIALS ARE THE PROPERTY OF THE OWNER AND SHALL EITHER BE REMOVED FROM THE SITE OR RETURNED TO THE OWNER'S STOCK AT THE DISCRETION OF THE OWNER.

25. DISCONNECT, REMOVE AND RELOCATE EXISTING MECHANICAL AND ELECTRICAL MATERIALS AND EQUIPMENT WHICH INTERFERE OR ARE INTERFERED WITH, OBSTRUCT OR ARE OBSTRUCTED BY, THESE ALTERATIONS AND ADDITIONS. PERMANENTLY INSTALL SUCH ITEMS IN NEW LOCATIONS AS DIRECTED. RECONNECT SUCH ITEMS IN PROPER OPERATING CONDITION AT NEW LOCATIONS.

26. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL EXISTING BUILDINGS IN MECHANICAL, ELECTRICAL, SECURITY, ETC. OPERATION AT ALL TIMES DURING THE ENTIRE CONSTRUCTION PERIOD. IF IT IS ABSOLUTELY NECESSARY TO SHUT DOWN THE FACILITY AT ANY TIME, THIS CONTRACTOR SHALL CONSULT WITH THE OWNER AND THE ENGINEER TO MAKE ARRANGEMENTS TO DO SO ON OFF-WORKING HOUR PERIODS AT THE OWNER'S CONVENIENCE PRIOR NOTICE SHALL BE GIVEN TO THE OWNER AND THE ARCHITECT (8) DAYS IN ADVANCE OF THE DESIRED SHUT-DOWN TIME. ANY PREMIUM OR OVER-TIME COSTS NECESSARY TO ACCOMPLISH THE ABOVE SHALL BE INCLUDED IN THIS BID. FAILURE TO PROCEED WITHOUT PROPER PRIOR NOTIFICATION MAY RESULT IN THE ASSESSMENT OF A CREDIT FINE TO THE CONTRACT.

27. REINSULATE UTILITY LINES, CONDENSATE RETURN, STEAM, HOT WATER, COLD WATER, ETC. WITH MIN 1" THICK INSULATION

28. "RENOVATED" ON DRAWINGS REFERS TO ALL AREAS RENOVATED BY ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC DISCIPLINES UNDER THIS CONTRACT.

LIST OF DRAWINGS

NO.	DESCRIPTION
1	2T1 TITLE SHEET, LOCATION MAP SITE PLAN & GENERAL NOTES
2	2AR1 ASBESTOS REMOVAL FLOOR PLAN
3	2AD1 DEMOLITION FLOOR PLAN
4	2A1 ARCHITECTURAL LAYOUT & REFLECTED CEILING PLANS
5	2A2 PARTIAL GROUND FLOOR PLAN AND SCHEDULES
6	2A3 DOOR DETAILS, SECTIONS, & SCHEDULES
7	2P1 PLUMBING AND FIRE SPRINKLER PLANS, DETAILS, & NOTES
8	2H1 A.C. UNIT & DUCT WORK PLANS NEW STEAM, CR, & RADIATORS
9	2H2 HVAC DETAILS AND SCHEDULES
10	2E1 ELECTRICAL LGT'G, RECEP'LS, AND COMM FLOOR PLANS
11	2E2 ELECTRICAL SCHEDULES AND DETAILS

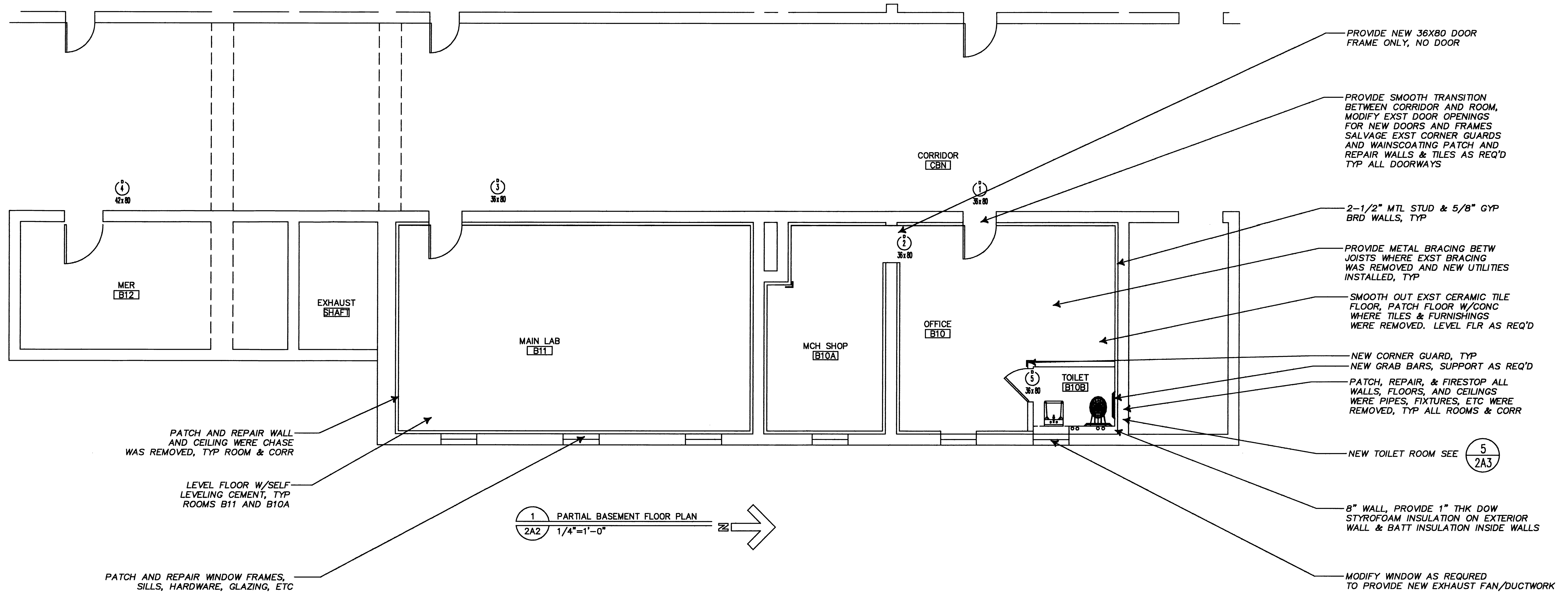
ABBREVIATIONS

A.B.	ANCHOR BOLT	GR	GRADE
A.C.	ASPHALT CONCRETE	HORZ	HORIZONTAL
A.C.U.	AIR CONDITIONING UNIT	HM	HOLLOW METAL
AGGR	AGGREGATE	ID	INSIDE DIAMETER
APPROX	APPROXIMATE	IN	INLET
ARCH	ARCHITECTURAL	INV	INVERT
ASPH	ASPHALT	INT	INTERIOR
ACM	ASBESTOS CONTAINING MAT'L	JT	JOINT
AFF	ABOVE FINISHED FLOOR	MER	MECHANICAL EQUIP ROOM
AL	ALUMINUM	MH	MANHOLE
APPR	APPROVED	MIN, MAX	MINIMUM, MAXIMUM
BITUM	BITUMINOUS	MISC	MISCELLANEOUS
BSMNT	BASEMENT	NIC	NOT IN CONTRACT
BM	BENCH MARK	OC	ON CENTER
BLDG	BUILDING	OD	OUTSIDE DIAMETER
CONC	CONCRETE	PC	POINT OF CURVATURE
CB	CATCH BASIN OR INLET	PLY	PLYWOOD
CC, OC	CENTER TO/ON CENTERS	PL	PROPERTY LINE, PLATE
C.I.	CAST IRON, CURB INLET	REL	RELOCATE
C.J.	CONTROL JOINT	R	RISER, RADIUS
C.M.U.	CONCRETE MASONRY UNIT	RD	ROAD
COL	COLUMN	REAR	REAR
CONT	CONTINUOUS	REBAR	REINFORCING BAR
CONSTR	CONSTRUCTION	REQ	REQUIRED
DET	DETAIL	RO	ROUGH OPENING
DIA, Ø	DIAMETER	SCH	SCHEDULE
DS	DOWN SPOUT	SH	SHELF, SHELVE, SHEET
DWG	DRAWING	SIM	SIMILAR
EA	EACH	SPEC	SPECIFICATIONS
ELEV, EL	ELEVATION	SQ	SQUARE
ENG	ENGINEER/ING	STR	STRUCTURAL
EJ	EXPANSION JOINT	STA	STATION
EQUIP	EQUIPMENT	STD	STANDARD
EXST	EXISTING	SS	STAINLESS STEEL
EXT	EXTERIOR	TL	TOTAL
EXP	EXPOSED, EXPANSION	TP	TOP OF PAVEMENT
FD	FLOOR DRAIN	TS	TOP OF SLAB
FIN, FF	FINISH, FINISH FLOOR	THK	THICKNESS
FLR	FLOOR	TYP	TYPICAL FOR SIM CONSTR
FT	FOOT	VA	DEPARTMENT OF VETERANS AFFAIRS
CG	CORNER GUARD	W, W/O	WITH, WITHOUT
GA	GAUGE	Ø	PHASE
GL	GLASS	W	WIDE
GYP BD	GYPSUM BOARD	±	TOLERANCE PLUS/MINUS
		VCT, VT	VYNL COMPOSITION TILE

SCANNED
AUG 26 1998

Drawing Title TITLE SHEET, LOCATION MAP SITE PLAN & GENERAL NOTES		Project Title BIOPHYSICS LABORATORY BUILDING 2		Date 6/9/92
Approved Design Chief 1/8"=1'-0"		Building Number 2	Checked RB	Project No. MEDICAL COLLEGE
Approved Service Director FREDERICK BRUNH		Location MILWAUKEE, WISCONSIN	Drawn By JWD	Sheet No. 2T1

Veterans Administration



HARDWARE MATERIALS

HDW NO.	MODEL NO.	FINISH NO.	MFG	SIZE/ QTY.	REMARKS
L-1	34H7E4C	612	BEST		OFFICE LOCK
L-2	34H7N4C	612	BEST		PASSAGE
L-3	34H7EW4C	612	BEST		STOREROOM
L-4	34H7F4C	612	BEST		ENTRANCE
L-5	34H7LF4C	612	BEST		PRIVACY
L-6	34H7FW4C	612	BEST		DORMITORY OR EXIT
C-1	4314 ME	612	LCN		SENTRONIC
C-2	4040H	612	LCN		W/HOLD OPEN
C-3	4040	612	LCN		NO HOLD OPEN
H-1	BB1199	SS	HAGER	5" X 4"	4 BALL BEARING
H-2	BB1191	SS	HAGER	4-1/2" X 4"	2 BALL BEARING
K-1	KICK PLATE	BRONZE	BROOKLINE	10" HIGH	
K-2	ARMOR PLATE	BRONZE	BROOKLINE	40" HIGH	
HC	813BR	BRONZE	NGP	8" WIDE	HANDICAP THRESHOLD
S-1	234W	606	HAGER	2-3/8"	CONCAVE WALL STOP
S-2	240F	606	HAGER	1-7/8"	DOVE STOP
S-3	252F	606	HAGER	1.5"X2.5"	CAST STOP
F-1	258B10	605	IVES		FLUSH BOLTS
A-1	139DKB	BRONZE	NGP		ASTRAGAL

HARDWARE SETS

SET NO.	LOCK NO.	BOLTS CLOSER	HINGES	KICK PLATE STOPS	REMARKS
HS-1	L-3	C-3	H-2	S-3, K-1	
HS-2	L-3	C-3	H-1	S-3, K-1	
HS-3	L-1	C-3	H-2	S-2	
HS-4	L-4	C-1	H-2	S-1	
HS-5	L-5	-	H-2	S-2	

ROOM FINISH SCHEDULE

RM NO.	ROOM NAME	FLOOR	BASE	NORTH	SOUTH	EAST	WEST	CEILING	REMARKS
B10	COMP RM OFF	CT	VCT1	GB	GB	P2	GB	P2	GB
B10A	REST ROOM	CT	CT1	GB	GB	P4	GB	P4	GB
B10B	MCH SHOP	CONC	VCT2	GB	GB	P4	GB	P4	GB
B11	MCH LAB RM	CONC	VCT1	GB	GB	P4	GB	P4	GB
B12	TOILET	CONC	CT1	GB	GB	P4	GB	P4	GB

LINTEL SCHEDULE

LINTEL NO.	SIZE & MATERIAL	BOLT SIZE & SPACING	REMARKS
L-1	(1) PL12X8X3/8	3/4" @ 8" OC	STAGGER BOLTS
L-2	(1) PL18X8X3/8	3/4" @ 8" OC	STAGGER BOLTS
L-3	(2) L4X8X1/2	3/4" @ 18" OC	CARRIAGE BOLTS

DOOR SCHEDULE

NO.	DOOR SIZE	DOOR	FRAME	HOW SET	REMARKS
1	30 X 60 X 1-3/4	FV	ND	B	A 3 4 HC B HM HS-1
2	30 X 60 X 1-3/4	FV	ND	B	A 3 4 HC B HM HS-1
3	30 X 60 X 1-3/4	FV	ND	B	A 3 4 HC B HM HS-1
4	30 X 60 X 1-3/4	FV	ND	B	A 3 4 HC B HM HS-2
5	30 X 60 X 1-3/4	FV	ND	B	A 3 4 HC B HM HS-5

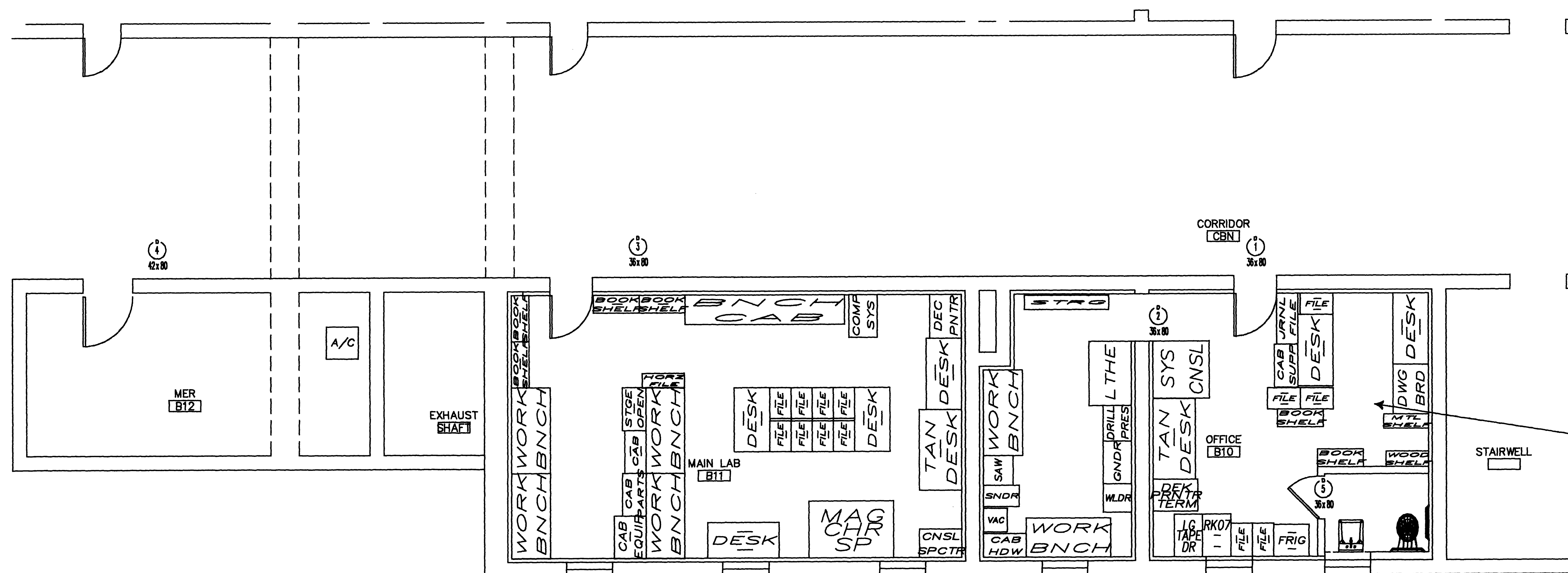
FINISH MATERIALS

FINISH	COLOR/ DESCRIPTION	MFG	REMARKS
VCT1	SHELTER WHITE #51836	ARMSTRONG	VINYL COMPOSITION FLR TILE
CT1	DK-37A WH GRNTE #2	DAL-TILE	CERAMIC 2" FLOOR TILE
WT1	D-147 PEPPER WHITE	DAL-TILE	CERM WALL TILE 4.25" X 4.25"
VCT2	STNETEX #52128 DSRT DST	ARMSTRONG	VINYL COMPOSITION FLR TILE
VB	CB-48 GREY	JOHNSONITE	4" VINYL BASE
P1	ALKALYD CLG WHITE SG	B. MOORE	CEILING PAINT
P2	OFF-WHITE #970 PEARL	B. MOORE	WALLS
P3	LT BLUE #1418 SG	B. MOORE	WALLS
P4	GREY-BLUE #1422 SG	B. MOORE	WALLS
P5	OFF-WHITE #916 PEARL	B. MOORE	WALLS
P6	BROWN #1332 SG	B. MOORE	MTL DOORS
P7	BROWN #884 SG	B. MOORE	DOOR & WDW TRIM
P8	NEUTRAL #884 PEARL	B. MOORE	EXPOSED GRILLES & CONDUIT
P9	RED #1315 SG	B. MOORE	FIRE SPRINKLER PIPING
S1	SPECIAL WALNUT	B. MOORE	WOOD DOORS
P10	GREEN #567 EXTERIOR	B. MOORE	LVR & WDW FR MATCH EXST

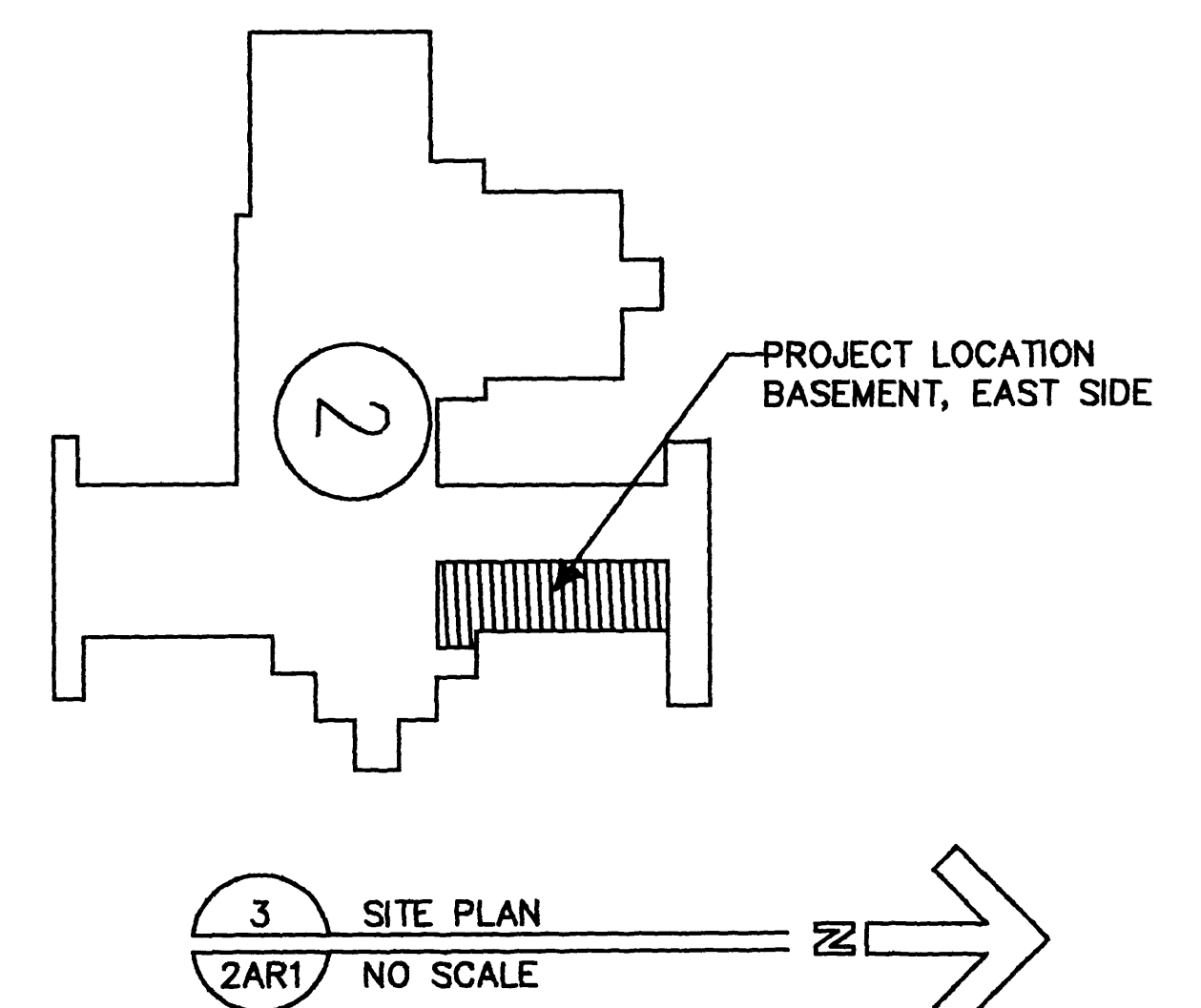
SCANNED
AUG 26 1998

Drawing Title PARTIAL GROUND FLOOR PLAN AND SCHEDULES		Project Title BIOPHYSICS LABORATORY BUILDING 2		Date 6/9/92
Approval Division Chief 1/4"=1'-0"		Building Number 2	Checked RB	Drawn JWD
Approval Service Director FREDERICK BRUHN		Location MILWAUKEE, WISCONSIN		Drawing No. 2A2
				Page 5 of 11

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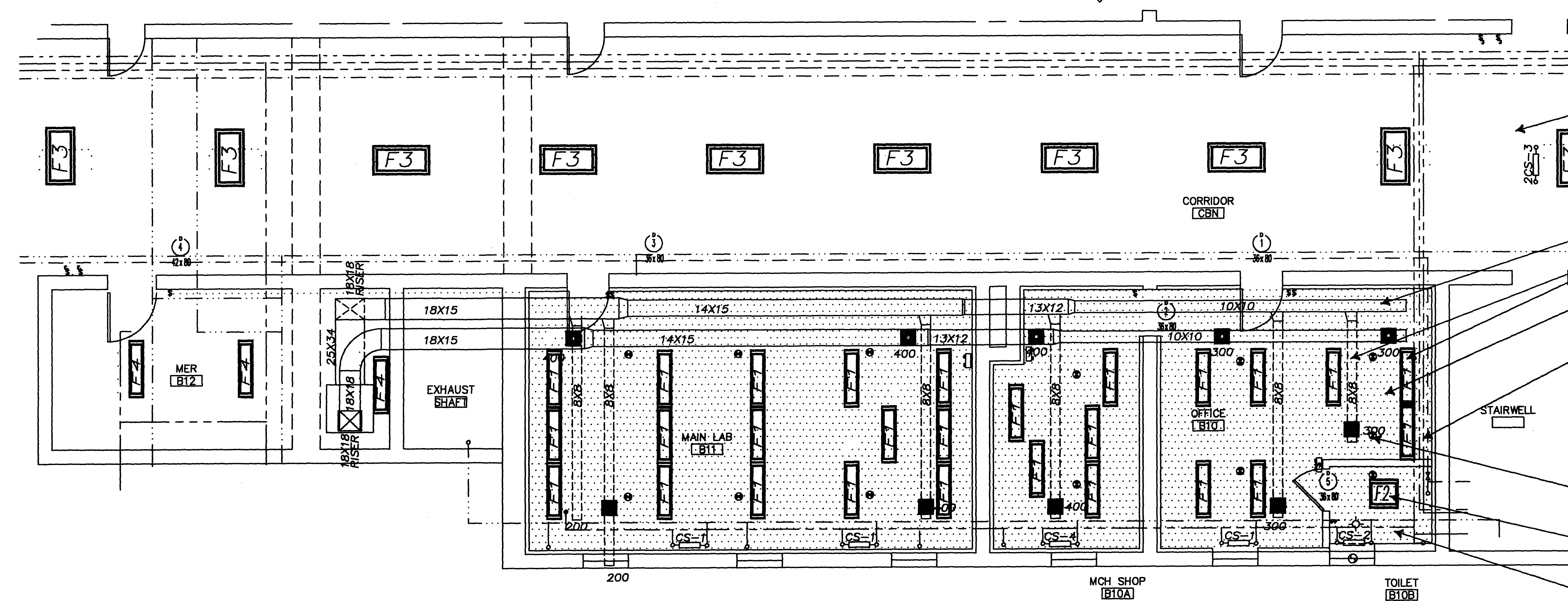


1 FURNITURE LAYOUT
2A1 1/4"=1'-0"



3 SITE PLAN
2A1 NO SCALE

COORDINATE LOCATIONS OF ALL RECEPTACLES, COMMUNICATION JACKS, LIGHTS, WALLS, ETC W/ ARCHITECTURAL LAYOUT PLAN



2 REFLECTED CEILING PLAN
2A1 1/4"=1'-0"

PATCH & REPAIR EXST CEILINGS & WALL THROUGHOUT CORRIDOR, TYP

RUN BELOW CEILING, TYP

RUN BETW FLR JOISTS, TYP

NEW 5/8" GYP BD CEILING

RUN ABOVE GB CEILING

PENDANT TYPE HEADS INSTALL PIPE ABOVE CLG

SURFACE MOUNTED

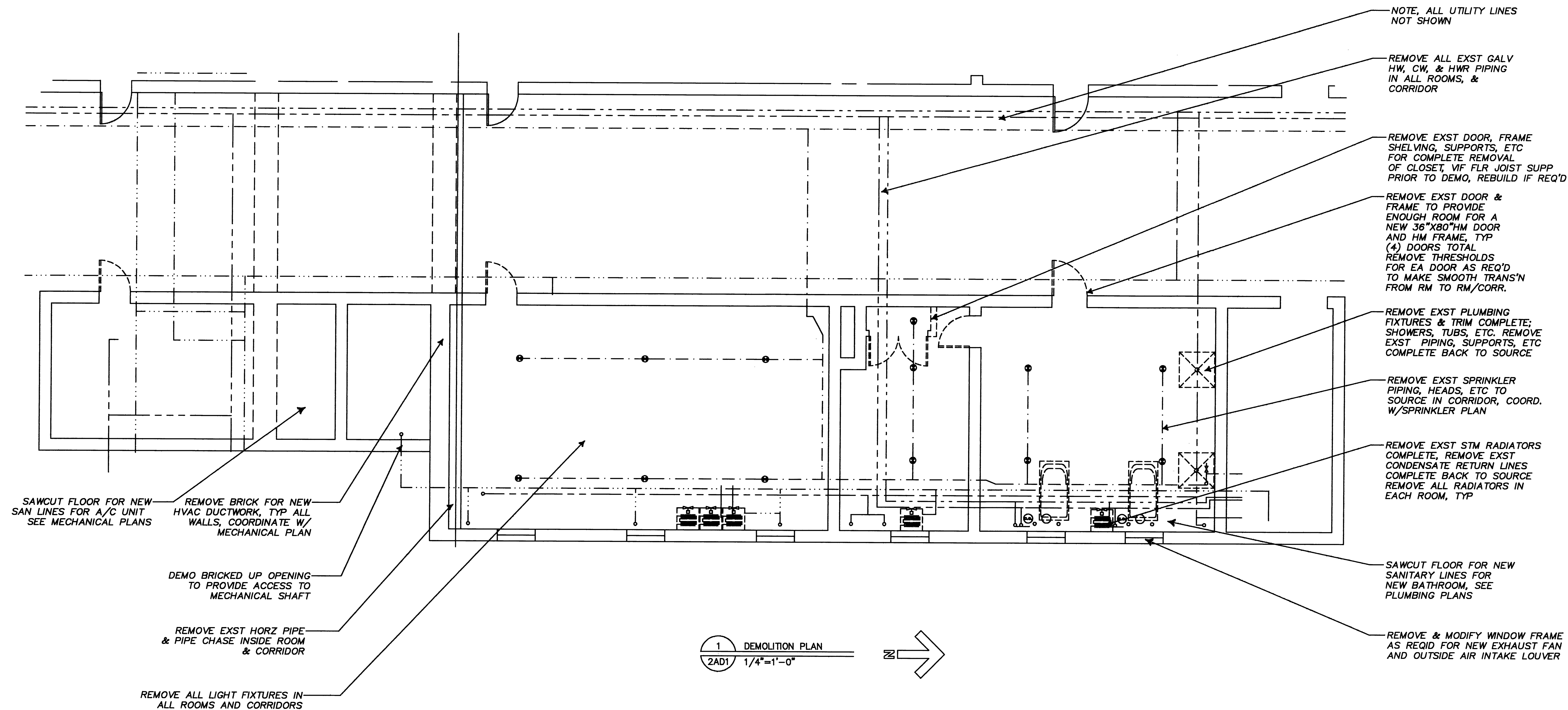
RUN BELOW CLG AS HIGH & FAR EAST AS POSSIBLE

ACTUAL WALL THICKNESSES NOT SHOWN, WALL THICKNESSES VARY FROM 12 TO 24" FIELD VERIFY THICKNESS & LOCATION OF ALL UTILITIES & DIMENSIONS

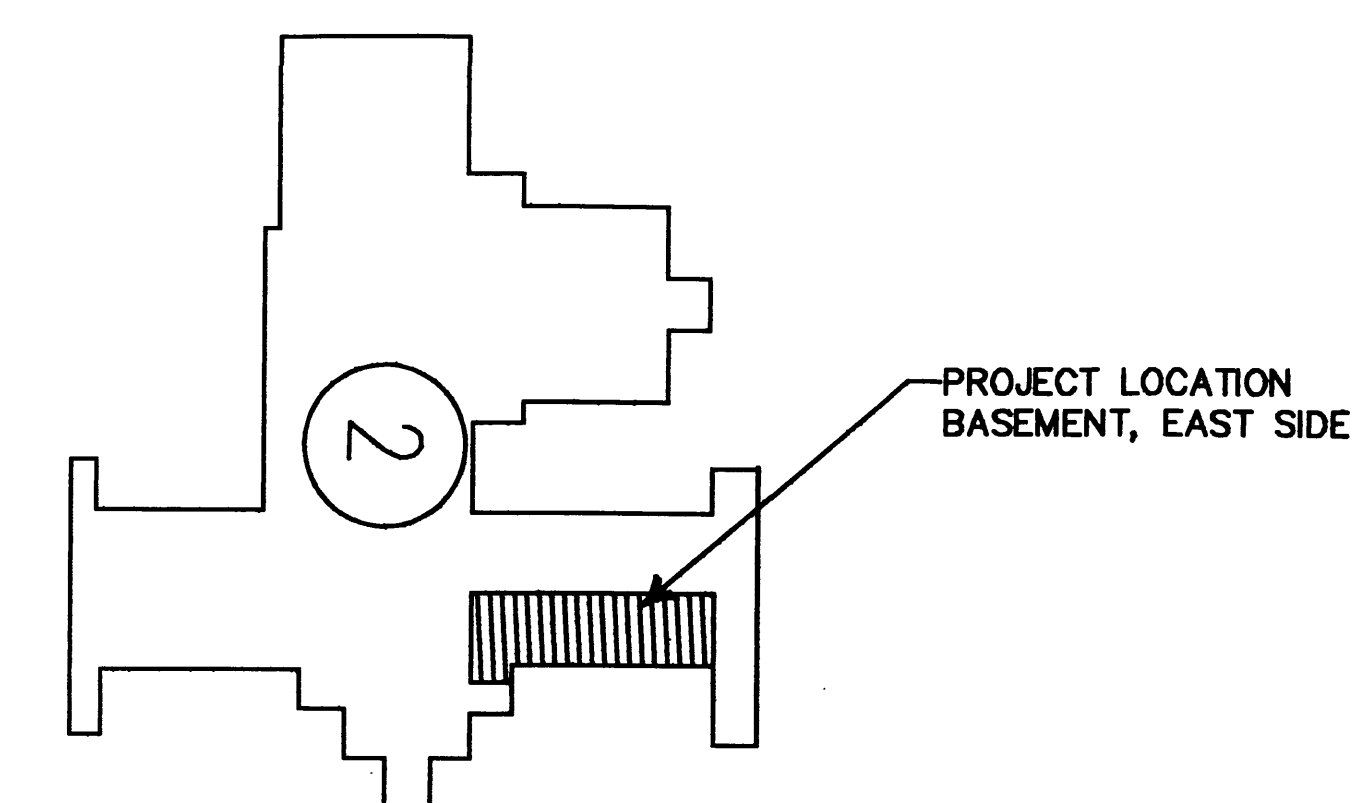
SCANNED
AUG 26 1998

Architectural Title ARCHITECTURAL LAYOUT & REFLECTED CEILING FLOOR PLANS	Project Title BIOPHYSICS LABORATORY BUILDING 2	Date 6/9/92
Approval: Design Chief 1/4"=1'-0"	Building Number 2	Project No. MEDICAL COLLEGE
Approval: Senior Designer FREDERICK BRUHN	Checked RB	Drawing No. 2A1
	Drawn JWD	Sheet 2 of 11
	Location MILWAUKEE, WISCONSIN	

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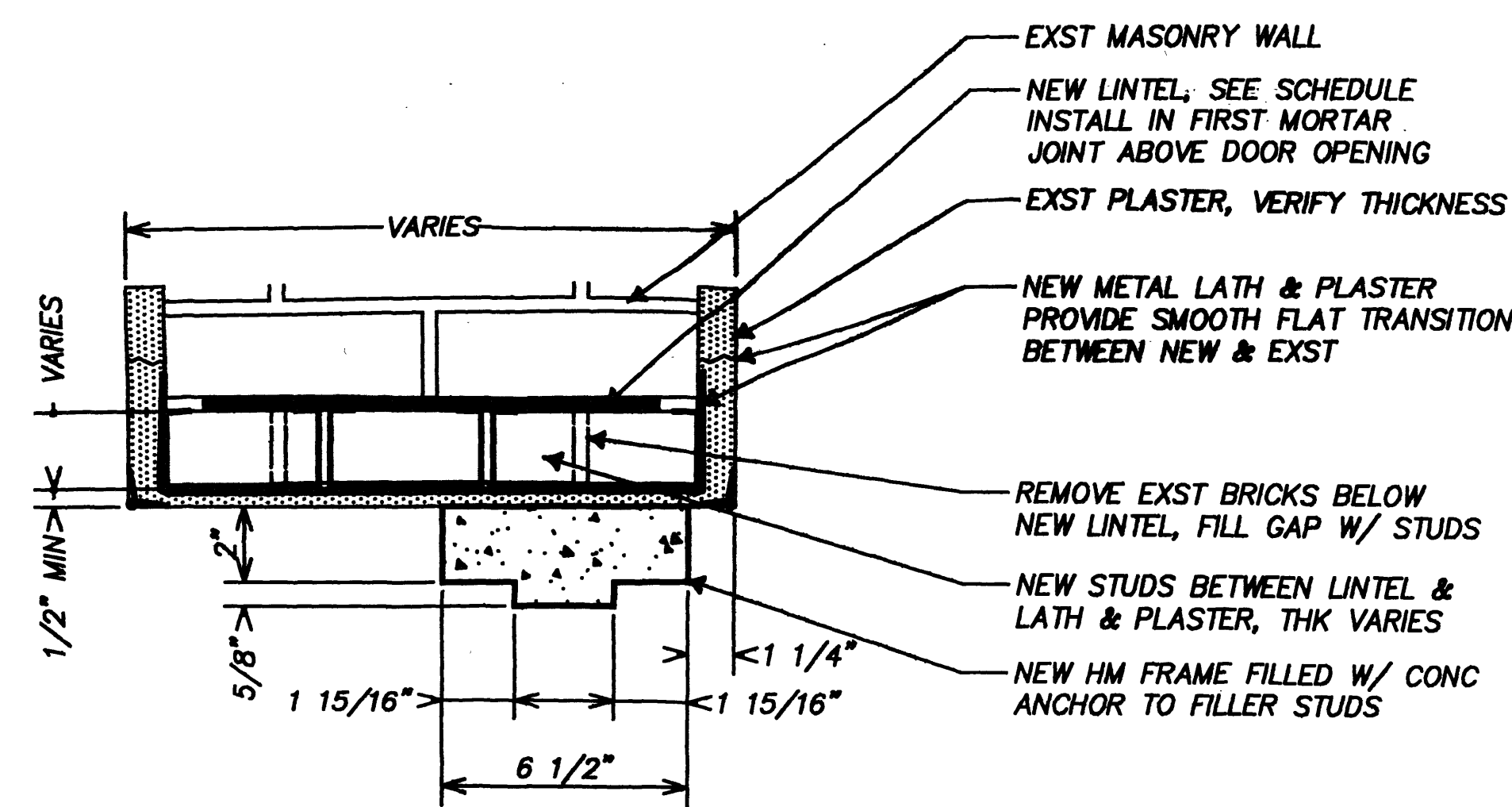
ACTUAL WALL THICKNESSES NOT SHOWN,
WALL THICKNESSES VARY FROM 12 TO 24"



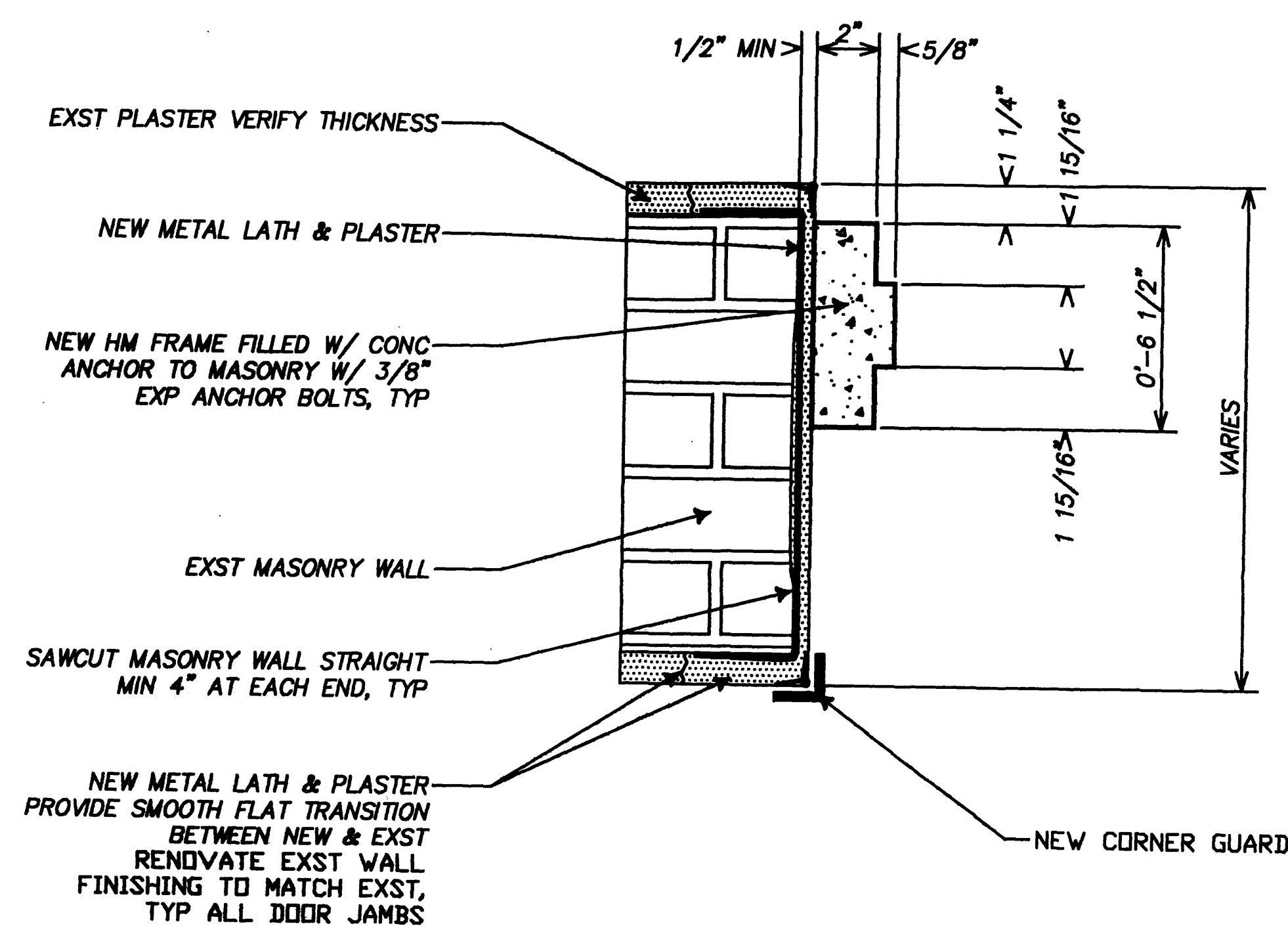
SCANNED
AUG 26 1998

Drawing Title DEMOLITION FLOOR PLAN		Project Title BIOPHYSICS LABORATORY BUILDING 2		Date 6/9/92
Approved: Division Chief 1/4"=1'-0"	Building Number 2	Checked RB	Drawn JWD	Project No. MEDICAL COLLEGE
Approved: Services Director FREDERICK BRUHN	Location MILWAUKEE, WISCONSIN		Drawing No. 2AD1	Sheet 3 OF 11

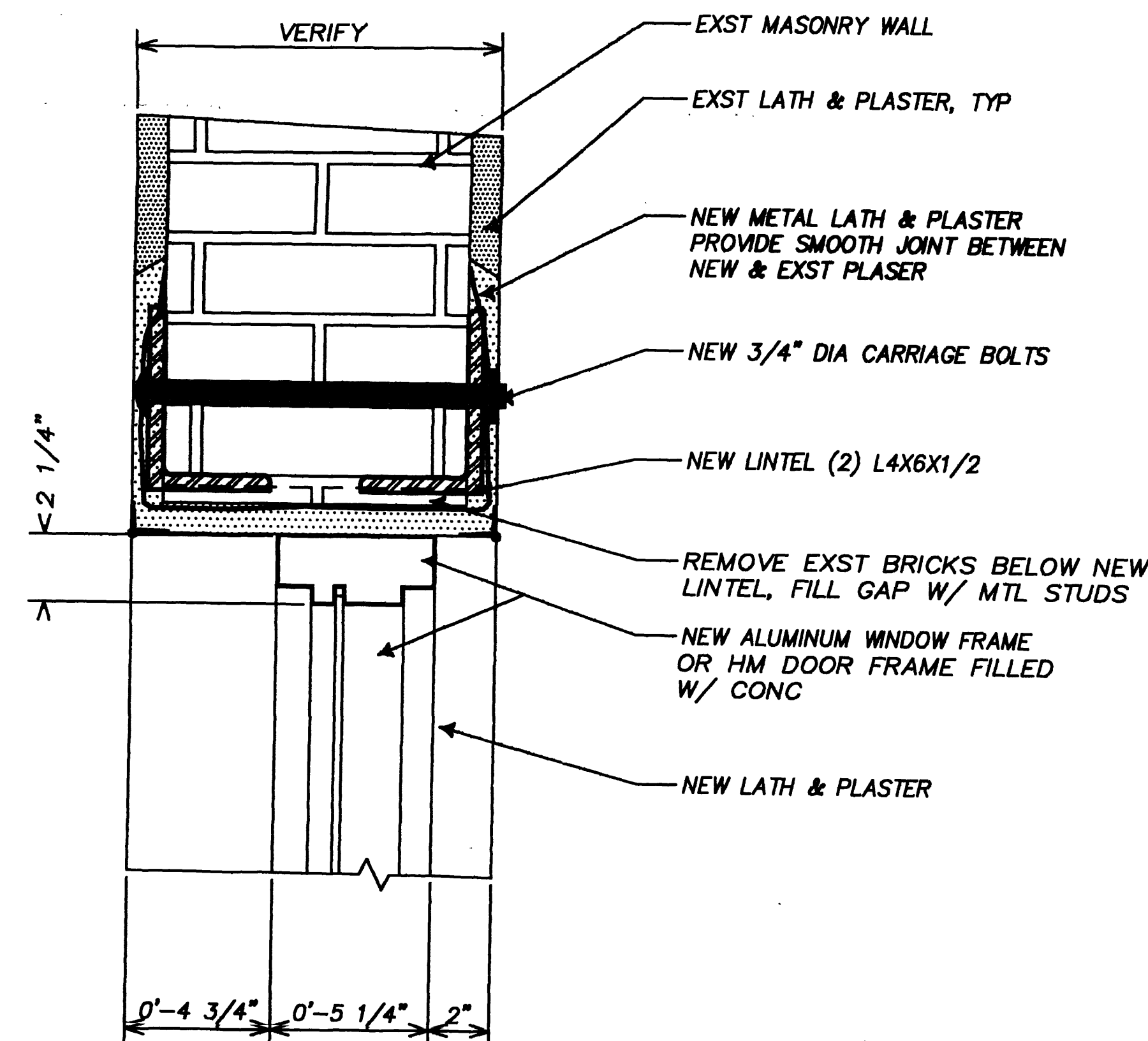
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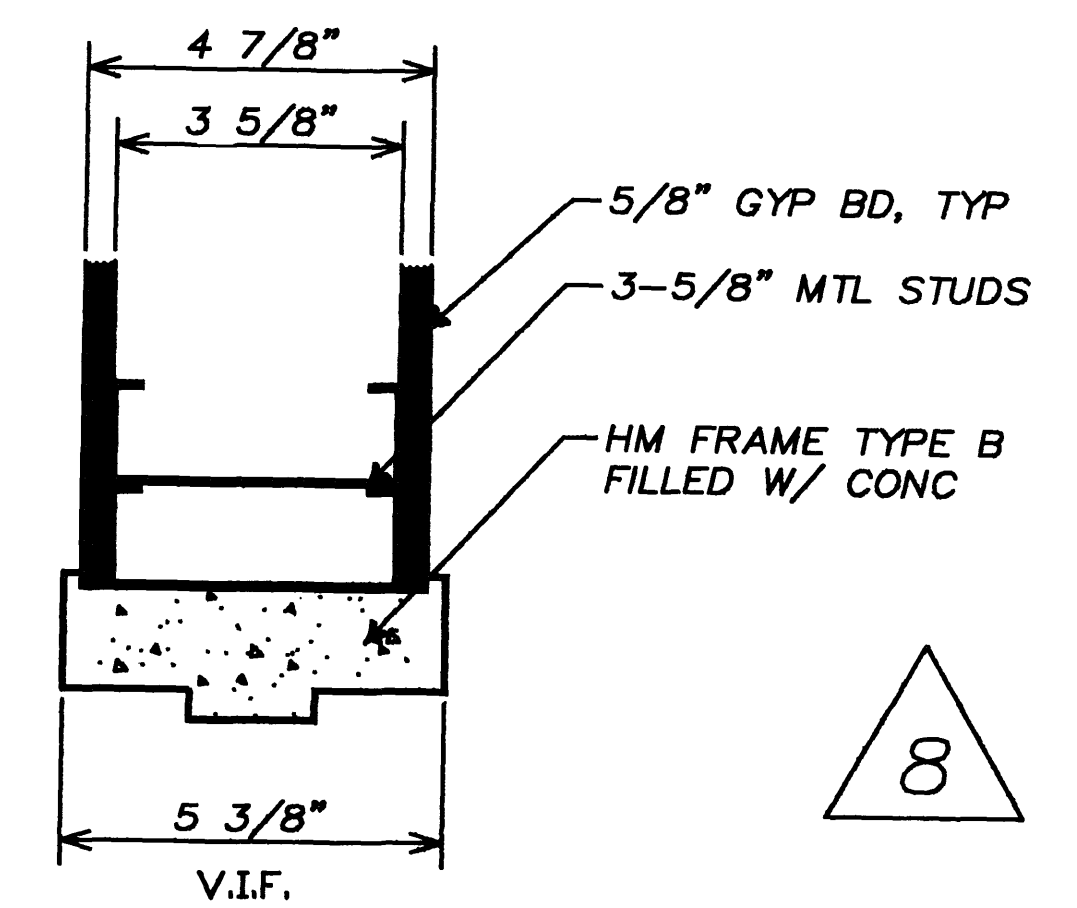
1 DOOR HEADER SECTION
2A3 3'-1'-0"



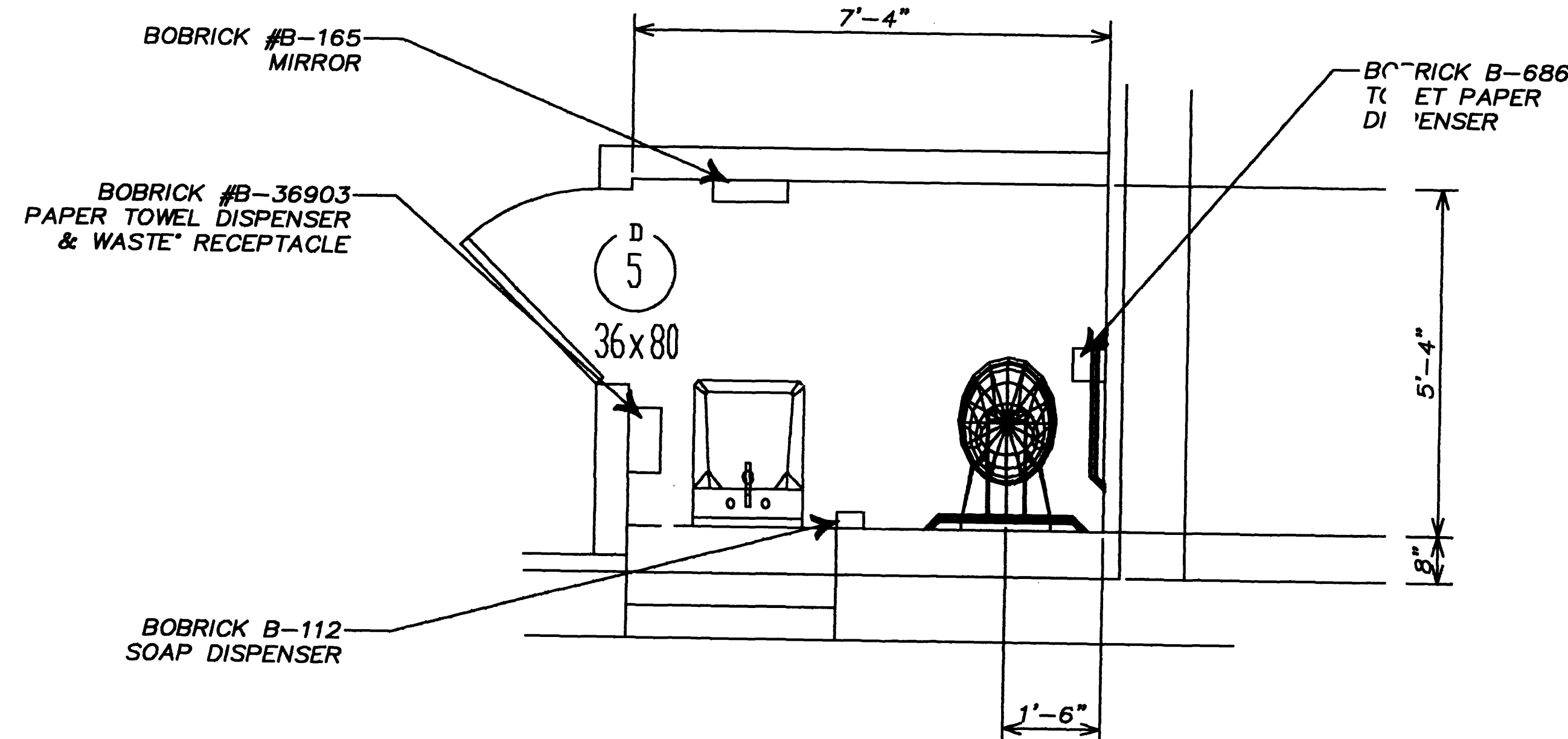
2 DOOR JAMB SECTION
2A3 3'-1'-0"



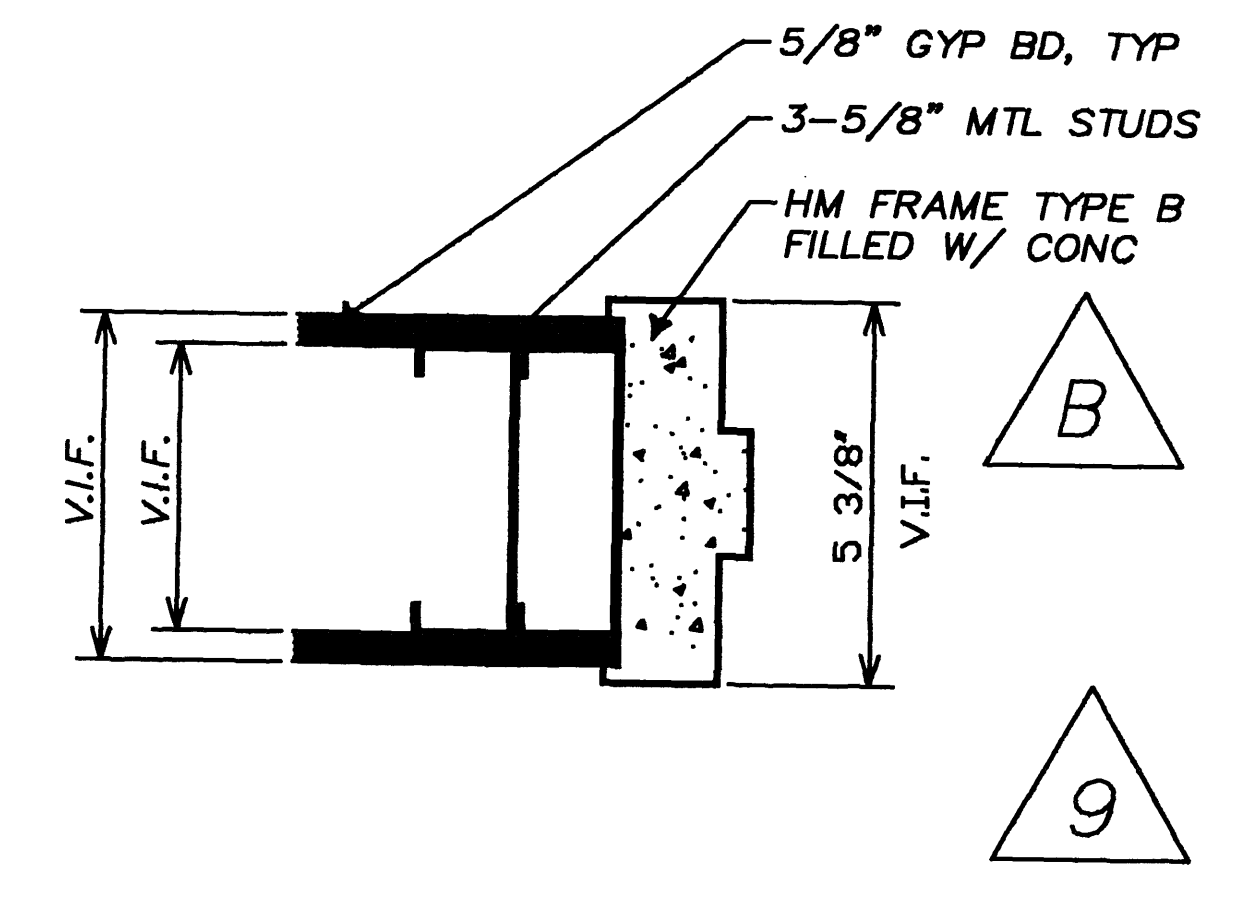
3 DOOR/WINDOW HEAD SECTION
2A3 3'-1'-0"



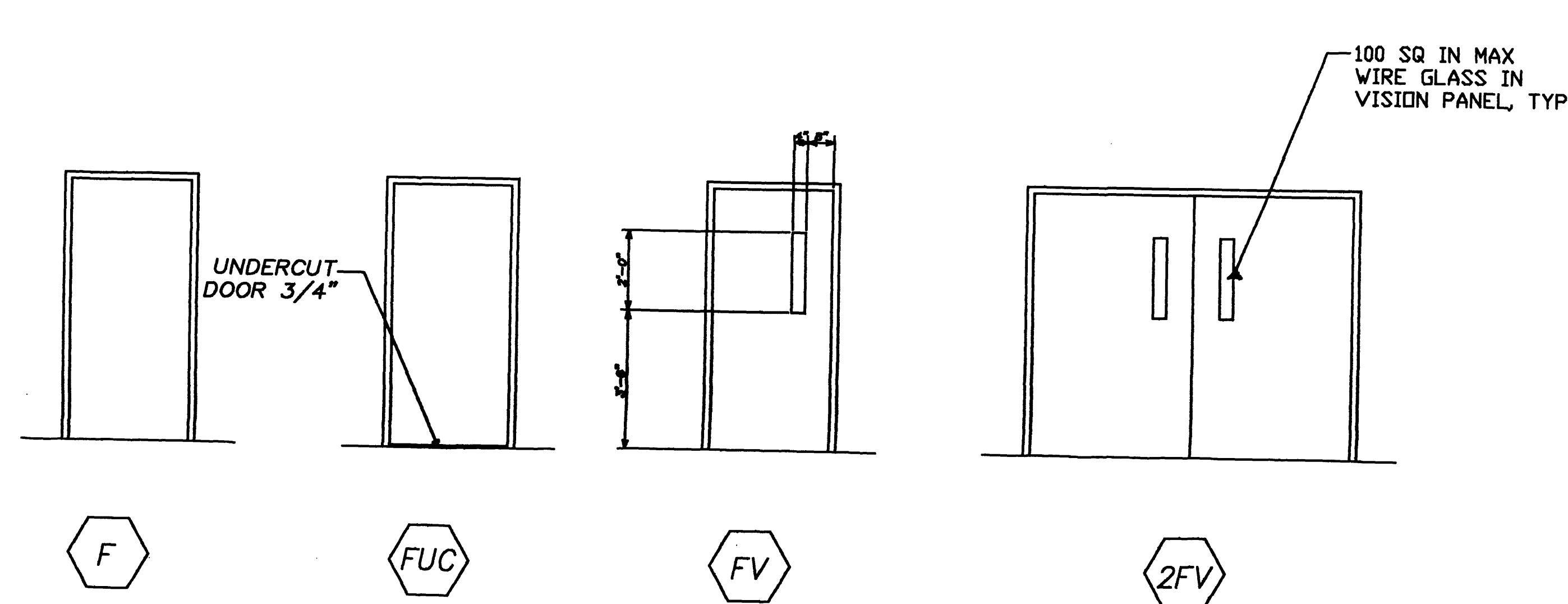
4 DOOR HEAD DETAIL
2A3 1'-1/2'-1'-0"



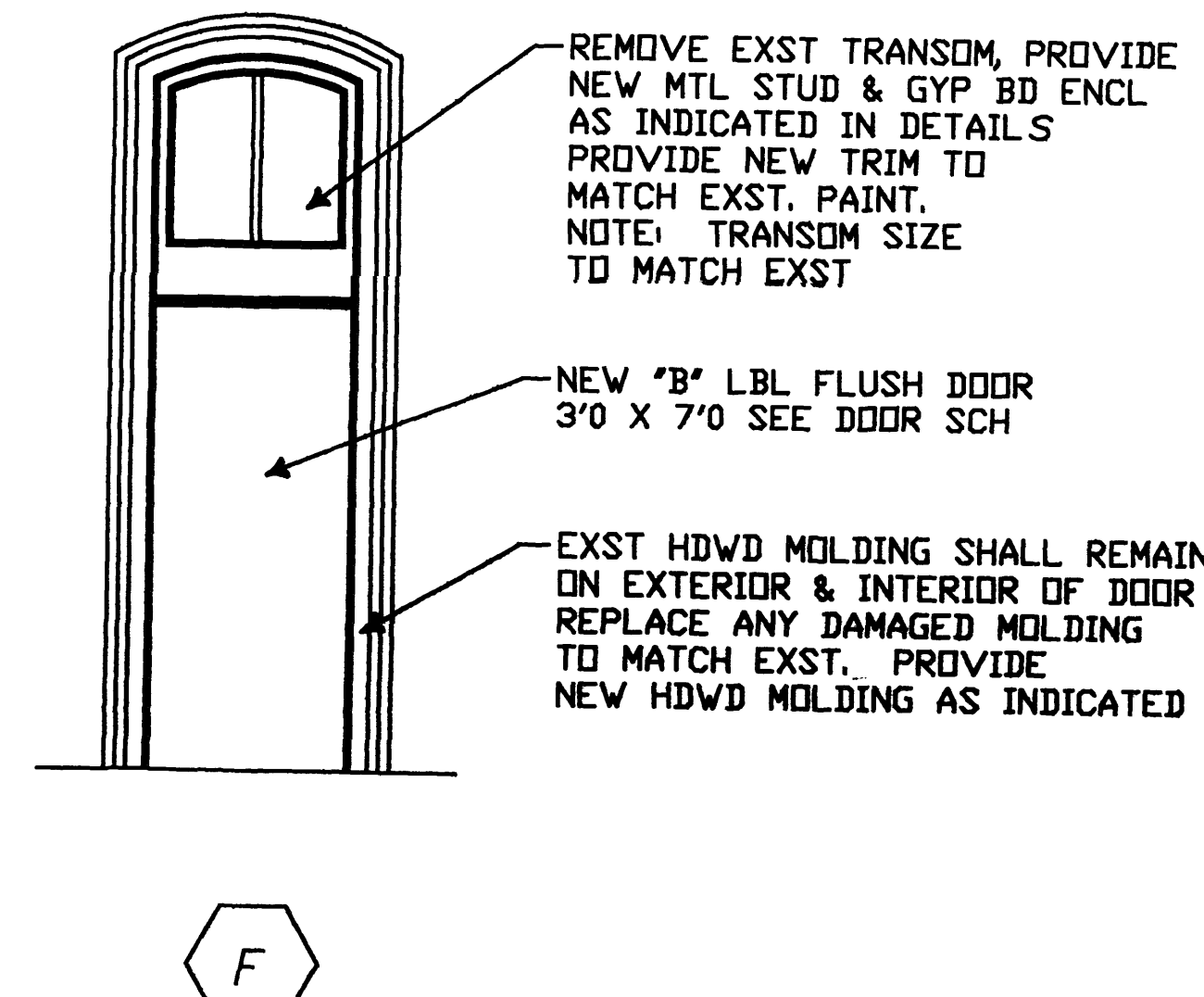
5 TOILET ROOM FLOOR PLAN
2A3 1'-2'-1'-0"



6 DOOR JAMB DETAIL
2A3 1'-1/2'-1'-0"



7 TYPICAL DOOR ELEVATIONS
2A3 3/4'-1'-0"

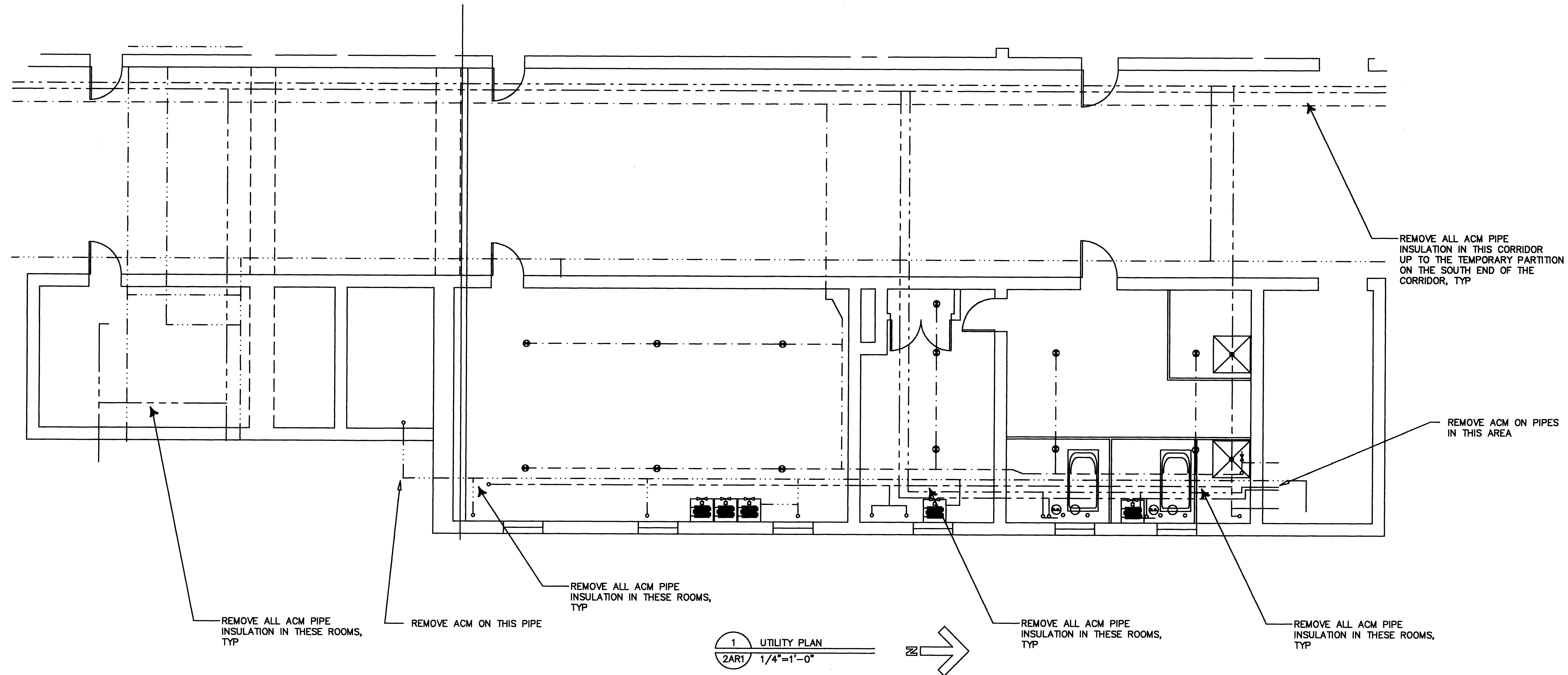


8 TYPICAL DOOR HEAD & JAMB
2A3 3'-1'-0"

SCANNED
AUG 26 1998

Drawing Title DOOR DETAILS, SECTIONS AND SCHEDULES		Project Title BIOPHYSICS LABORATORY BUILDING 2		Date 6/9/92
Approved Design Draw 3/4'-1'-0"	Building Number 2	Checked RB	Drawn JWD	Project No. MEDICAL COLLEGE
Approved Service Director FREDERICK BRUHN	Location MILWAUKEE, WISCONSIN	Drawing No. 2A3		Page 6 of 11

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GENERAL NOTES

REMOVE ALL FLOOR TILE AND MASTIC DOWN TO EXST CONC FLOOR, PROVIDE SMOOTH LEVEL SURFACE. USE SHOT BLAST METHOD TO REMOVE MASTIC OFF CONC FLOORS, TYP

REMOVE ALL ACM PIPE INSULATION AROUND UTILITY PIPES. REMOVE ACM THRU WALL W/MIN 2" CLEARANCE AROUND THE PIPE INDICATING ALL PIPE INSULATION HAS BEEN REMOVED. REMOVE ALL ACM OFF ELBOWS, UNIONS, T'S, VALVES, ETC.

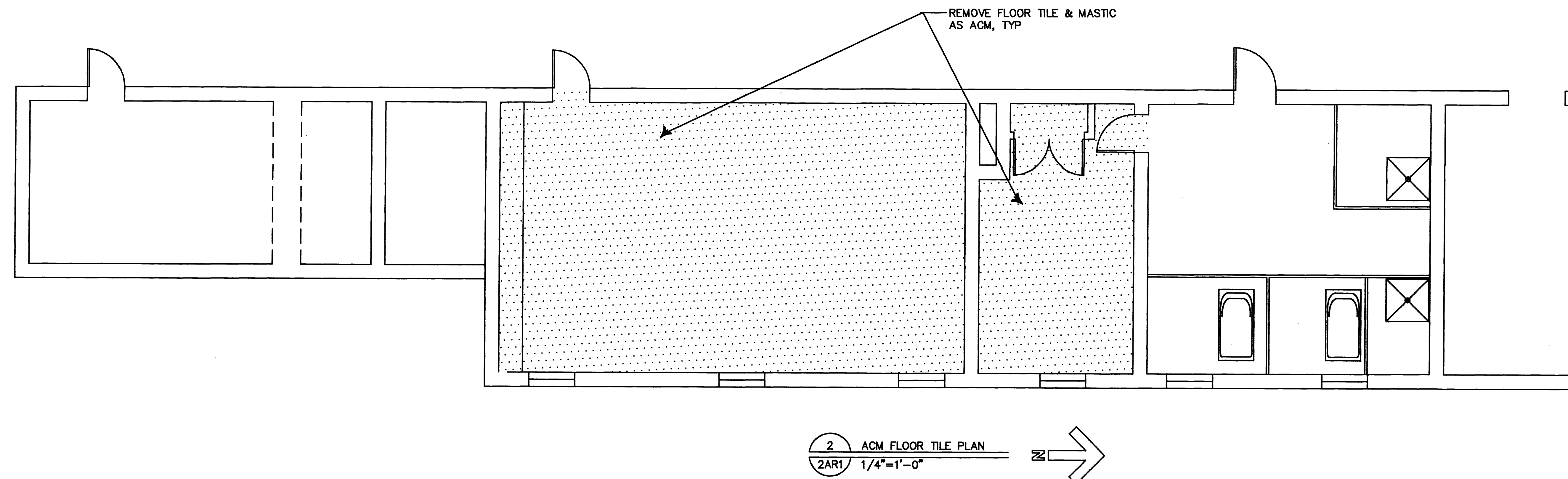
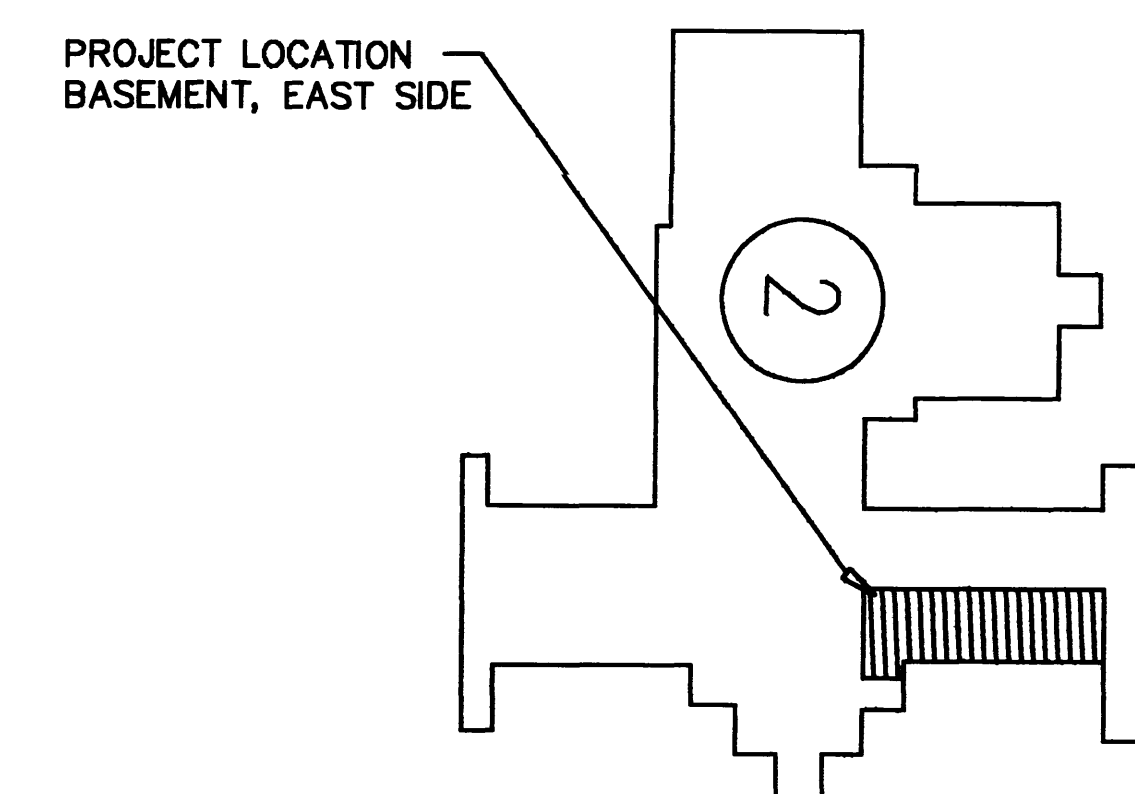
REINSULATE ALL CW, HW, CR, LPS, ETC WITH MIN 1" THK INSULATION AS INDICATED IN SPECIFICATIONS

NOTE: ALL ACM INSULATION AND MATERIALS ARE NOT SHOWN FIELD VERIFY EXTENT QUANTITY AND LOCATION. ALL ACM SHALL BE REMOVED INSIDE WALLS, CHASES, ETC

ACTUAL WALL THICKNESSES NOT SHOWN, WALL THICKNESSES VARY FROM 12 TO 24"

DEMOLISH & REMOVE EXST PLASTER CEILING IN ROOMS B10 AND B11, SHOWER & BATH PARTITIONS IN ROOM B10 DISPOSE OF PROPERLY IN ACCORDANCE WITH ALL STATE, FEDERAL, & LOCAL LAWS. SCRAP AND REMOVE ALL LOOSE PAINT AND PAINT IN AREAS WHERE NEW DUCTWORK SHALL PASS THRU EXST WALLS, DISPOSE PROPERLY, ENCAPSULATE ALL WALLS AND CLEAN WIPE ALL FLOORS SHOWN.

REMOVE ALL WINDOWS STRIP ALL PAINT & PRIME W/EXTERIOR PRIMER, STRIP ALL WINDOW FRAMES AND PRIME, REHANG WINDOWS AND PROVIDE NEW HARDWARE TO REPLACE EXST DAMAGED HARDWARE, TYP ALL WINDOWS

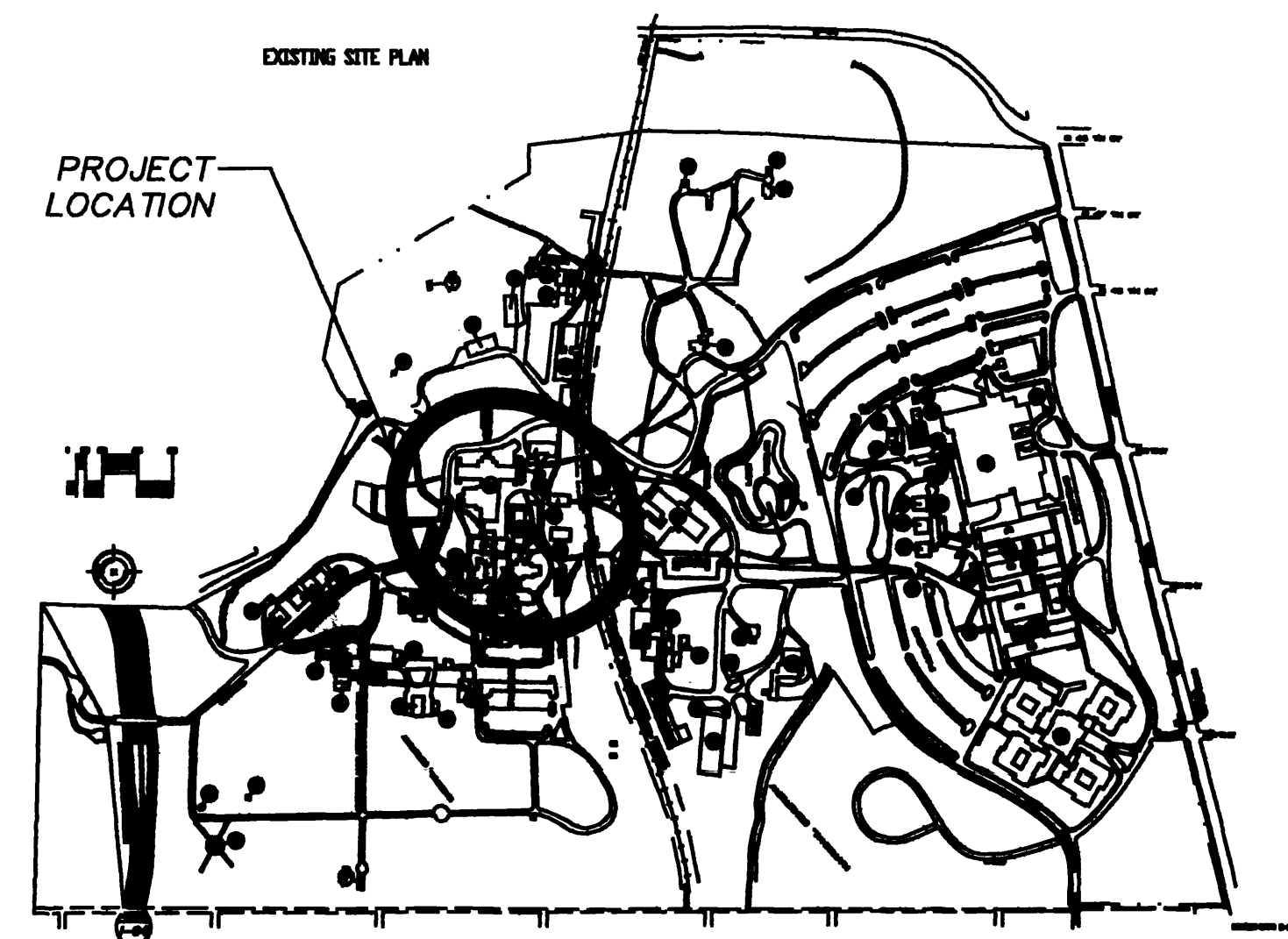


SCANNED
AUG 26 1998

Drawing Title ACM REMOVAL FLOOR PLAN		Project Title BIOPHYSICS LABORATORY BUILDING 2		Date 6/9/92
Approved: Division Chief 1/4"=1'-0"	Building Number 2	Checked RB	Drawn JWD	Project No. MEDICAL COLLEGE
Approved: Service Director FREDERICK BRUHN	Location MILWAUKEE, WISCONSIN	Drawing No. 2AR1		Page 2 of 11

Veterans
Administration

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER
MILWAUKEE, WISCONSIN 53295
BIOPHYSICS LABORATORY
BUILDING 2



1 LOCATION MAP
1 1"=500'

GENERAL NOTES

ACM AND DEMOLITION NOTES

1. THE ASBESTOS REMOVAL SHOULD BE ISOLATED FROM THE DEMOLITION WORK AND ACCOMPLISHED PRIOR TO CONSTRUCTION, EXCEPT AS INDICATED.

2. ASBESTOS REMOVAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL MATERIALS CONTAINING ASBESTOS INCLUDING MATERIALS WITHIN PIPE CHASES, WALLS & FLOORS. ANY SUSPICIOUS MATERIAL SHALL BE TESTED BY THE REMOVAL CONTRACTOR WITH THE RESULTS PROVIDED TO THE RESIDENT ENGINEER.

3. CONTRACTOR TO PATCH AND REPAIR ALL AREAS AFFECTED BY DEMOLITION TO MATCH EXST. PATCHED AREAS ARE TO RECEIVE FINISHES & TRIM TO MATCH ADJACENT AREA. PATCH CEILINGS AND FLOORS TO ACHIEVE A CONTINUOUS FINISHED APPEARANCE.

4. OWNER SHALL HAVE THE OPTION OF SELECTING ANY OR ALL OF ITEMS WHICH ARE DESIGNATED TO BE REMOVED BY CONTRACTOR AS SALVAGE FOR THE OWNER. CONTRACTOR SHALL REMOVE SAID ITEMS WITH EXTREME CARE AND RETURN THEM TO OWNER.

5. CONTRACTOR SHALL REMOVE AND/OR RELOCATE PORTABLE EQUIPMENT, FURNITURE, CURTAIN RODS, AND DRAPERY WHICH WOULD INTERFERE WITH DEMOLITION WORK.

6. CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR SHORING REQUIREMENTS WERE DEMOLITION WORK AFFECTS THE STRUCTURAL INTEGRITY OF WALLS OR FLOORS.

7. REMOVE ASBESTOS FLOOR TILE, ALL MASTIC, UNDERLAYMENT BOARD, TAR PAPER, ETC AT ALL DUCT & UTILITY PENETRATIONS NEAR MECHANICAL ROOMS AND ON ALL FLOORS.

8. PROTECT ALL EXISTING SURFACES FROM DAMAGE ANY DAMAGED SURFACES SHALL BE REPLACED TO MATCH ORIGINAL ITEM OR REPAIRED TO MATCH EXISTING OR ADJ MATERIAL.

9. FIELD VERIFY EXTENT AND LOCATIONS OF ALL ACM PRIOR TO BID. CONTRACTOR RESPONSIBLE FOR REMOVAL OF ALL ACM, INSULATION, MASTIC, PAPER, TILE, ETC IN THE AREAS DESIGNATED FOR RENOVATION - COORDINATE EXTENT & LOCATION OF RENOVATED AREAS WITH ALL OTHER DISCIPLINES TO ENSURE ALL ACM IS REMOVED.

10. SOME PIPE MAY NOT BE SHOWN ON FLOOR PLANS. CONTRACTOR SHALL FIELD VERIFY AND IDENTIFY LOCATIONS OF PIPE AND ACM PIPE INSULATION WHICH MAY NOT BE NOTED PLANS. CAREFULLY DEMO CHASES PRIOR TO ACM REMOVAL TO EXPOSE ALL ACM.

11. REMOVE EXISTING ACM TRANSITE TYPE BOARD & PIPING INSULATION BEHIND RADIATORS, TYPICAL THROUGHOUT BUILDING.

12. REMOVE ALL ACM PIPE INSULATION FROM PIPES WITHIN CHASES, WALLS, CEILINGS, ETC.

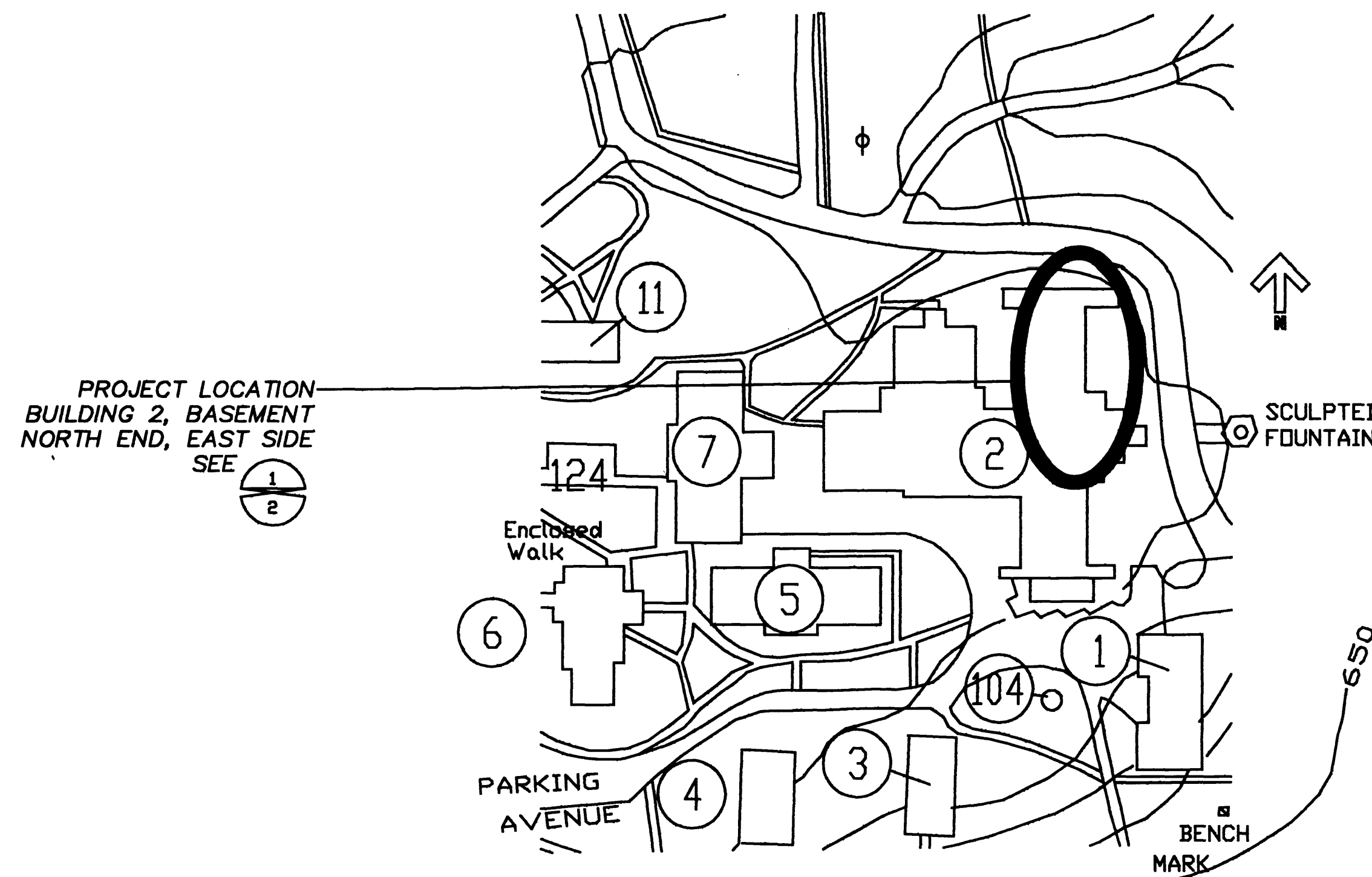
13. ALL UTILITY LINES SHALL BE RUN AS CLOSE AS POSSIBLE TO EXST PLASTER CLG. RELOCATE EXST LINES THAT INTERFERE WITH NEW WORK, THIS INCLUDES ALL FIXTURES, CHASES, DEVICES, EQUIPMENT, ETC. FIELD VERIFY PRIOR TO BID.

14. EXST FRAMING CONDITIONS AND DIMENSIONS SHOWN ON DRAWINGS ARE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION OF STEEL. IF EXISTING CONDITIONS NECESSITATE ALTERING FRAMING OR CONNECTIONS SHOWN ON DRAWINGS THE RESIDENT ENGINEER SHALL BE NOTIFIED AND THE REVISIONS SO NECESITATED SHALL BE APPROVED BY THE RESIDENT ENGINEER AT NO COST TO VA.

15. THE PARTITIONS SHALL RUN FROM THE FLOOR TO THE UNDERSIDE OF THE STRUCTURAL FLOOR ABOVE WITH OPENING ALLOWED FOR PIPING AND DUCTWORK WITH THESE OPENINGS AND THE ENTIRE PERIMETER SEALED WITH APPROVED RATED FIRE BARRIER & STOP MATERIALS.

16. PROTECT ELEV FRAMES AND FLOOR DURING ALL STAGES OF RENOVATION OF BUILDING. PROVIDE PLYWOOD ON WALLS, FLOORS, ETC FOR PROTECTION

17. LEVEL CONCRETE, WOOD, ETC FLOOR AREAS WITH SELF LEVELING CEMENT FOR ALL ACM FLOOR REMOVAL AREAS, MODIFICATIONS FOR NEW DOORWAY AREAS, FLOOR AREAS TO RECEIVE NEW FLOORING, & MODIFIED AREAS. ALL FLOORS SHALL BE LEVEL EXCEPT WHERE FLOOR SHALL SLOPE TOWARD EXST/NEW FLOOR DRAINS.



2 SITE PLAN
1 NO SCALE

18. VERIFY EXISTING CONDITIONS AND LOCATIONS IN FIELD PRIOR TO SUBMITTING PROPOSAL. FAILURE TO DO SO SHALL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK REQUIRED UNDER THIS CONTRACT.

19. ALL SUB/CONTRACTORS SHALL VISIT AND INSPECT THE EXISTING AREA AND SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ACTUAL JOB CONDITIONS BEFORE SIGNING CONTRACTS. NO EXTRAS WILL BE ALLOWED FOR WORK WHICH MIGHT HAVE BEEN REASONABLY FORESEEN BY AN INSPECTION OF THE PREMISES.

20. WHILE THE SIZE AND LOCATION OF NEW WORK AND EQUIPMENT IN THE EXISTING AREA HAS BEEN INDICATED ON THE DRAWINGS AS ACCURATELY AS POSSIBLE, CONTRACTOR SHALL ADJUST HIS WORK AS REQUIRED TO AVOID EXISTING UTILITIES, GAS LINES, SEWER, FIRE ALARM ROOF DRAINS, ACCESS COVERS, ETC. NOT PARTICULARLY SHOWN ON THE PLANS. WORK TO MEET ALL ACTUAL CONDITIONS ON THE EXISTING PREMISES. WITHOUT ANY FURTHER COST TO OWNER.

21. CONTRACTOR SHALL INSPECT THE PREMISES AND MAKE A DETAILED EXAMINATION OF ALL LOCATIONS WHERE NEW WORK IS TO BE INSTALLED AND SHALL EXAMINE EXISTING PIPING, CONDUITS, STRUCTURAL SUPPORTING BEAMS, ETC.

22. CONTRACTOR AFTER INSPECTING THE PREMISES AND THE DRAWINGS SHALL CALL THE ATTENTION OF THE ENGINEER, IN WRITING, TO ANY NECESSARY SPACE OR CLEARANCE REQUIRED BY THE VARIOUS EQUIPMENT BEFORE CONTRACT IS SIGNED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY IF HE NEGLECTS TO DO SO.

23. MAKE NECESSARY MODIFICATIONS AND ADJUSTMENTS TO ALL MECHANICAL, ELECTRICAL, STRUCTURAL, AND ARCHITECTURAL ITEMS AND EQUIPMENT, BOTH NEW AND EXISTING, AS MAY BE REQUIRED BY THESE ALTERATIONS AND ADDITIONS.

24. DISCONNECT AT SOURCE AND REMOVE EXISTING MECHANICAL AND ELECTRICAL MATERIALS AND EQUIPMENT WHICH ARE RENDERED OBSOLETE BY THESE ALTERATIONS AND ADDITIONS. REMOVED EQUIPMENT AND MATERIALS ARE THE PROPERTY OF THE OWNER AND SHALL EITHER BE REMOVED FROM THE SITE OR RETURNED TO THE OWNER'S STOCK AT THE DISCRETION OF THE OWNER.

25. DISCONNECT, REMOVE AND RELOCATE EXISTING MECHANICAL AND ELECTRICAL MATERIALS AND EQUIPMENT WHICH INTERFERE OR ARE INTERFERED WITH, OBSTRUCT OR ARE OBSTRUCTED BY, THESE ALTERATIONS AND ADDITIONS. PERMANENTLY INSTALL SUCH ITEMS IN NEW LOCATIONS AS DIRECTED. RECONNECT SUCH ITEMS IN PROPER OPERATING CONDITION AT NEW LOCATIONS.

26. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL EXISTING BUILDINGS IN MECHANICAL, ELECTRICAL, SECURITY, ETC. OPERATION AT ALL TIMES DURING THE ENTIRE CONSTRUCTION PERIOD. IF IT IS ABSOLUTELY NECESSARY TO SHUT DOWN THE FACILITY AT ANY TIME, THIS CONTRACTOR SHALL CONSULT WITH THE OWNER AND THE ENGINEER TO MAKE ARRANGEMENTS TO DO SO ON OFF-WORKING HOUR PERIODS AT THE OWNER'S CONVENIENCE PRIOR NOTICE SHALL BE GIVEN TO THE OWNER AND THE ARCHITECT (8) DAYS IN ADVANCE OF THE DESIRED SHUT-DOWN TIME. ANY PREMIUM OR OVER-TIME COSTS NECESSARY TO ACCOMPLISH THE ABOVE SHALL BE INCLUDED IN THIS BID. FAILURE TO PROCEED WITHOUT PROPER PRIOR NOTIFICATION MAY RESULT IN THE ASSESSMENT OF A CREDIT FINE TO THE CONTRACT.

27. REINSULATE UTILITY LINES, CONDENSATE RETURN, STEAM, HOT WATER, COLD WATER, ETC. WITH MIN 1" THICK INSULATION

28. "RENOVATED" ON DRAWINGS REFERS TO ALL AREAS RENOVATED BY ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC DISCIPLINES UNDER THIS CONTRACT.

LIST OF DRAWINGS

NO.	DESCRIPTION
1	2T1 TITLE SHEET, LOCATION MAP SITE PLAN & GENERAL NOTES
2	2AR1 ASBESTOS REMOVAL FLOOR PLAN
3	2AD1 DEMOLITION FLOOR PLAN
4	2A1 ARCHITECTURAL LAYOUT & REFLECTED CEILING PLANS
5	2A2 PARTIAL GROUND FLOOR PLAN AND SCHEDULES
6	2A3 DOOR DETAILS, SECTIONS, & SCHEDULES
7	2P1 PLUMBING AND FIRE SPRINKLER PLANS, DETAILS, & NOTES
8	2H1 A.C. UNIT & DUCT WORK PLANS NEW STEAM, CR, & RADIATORS
9	2H2 HVAC DETAILS AND SCHEDULES
10	2E1 ELECTRICAL LGT'G, RECEP'LS, AND COMM FLOOR PLANS
11	2E2 ELECTRICAL SCHEDULES AND DETAILS

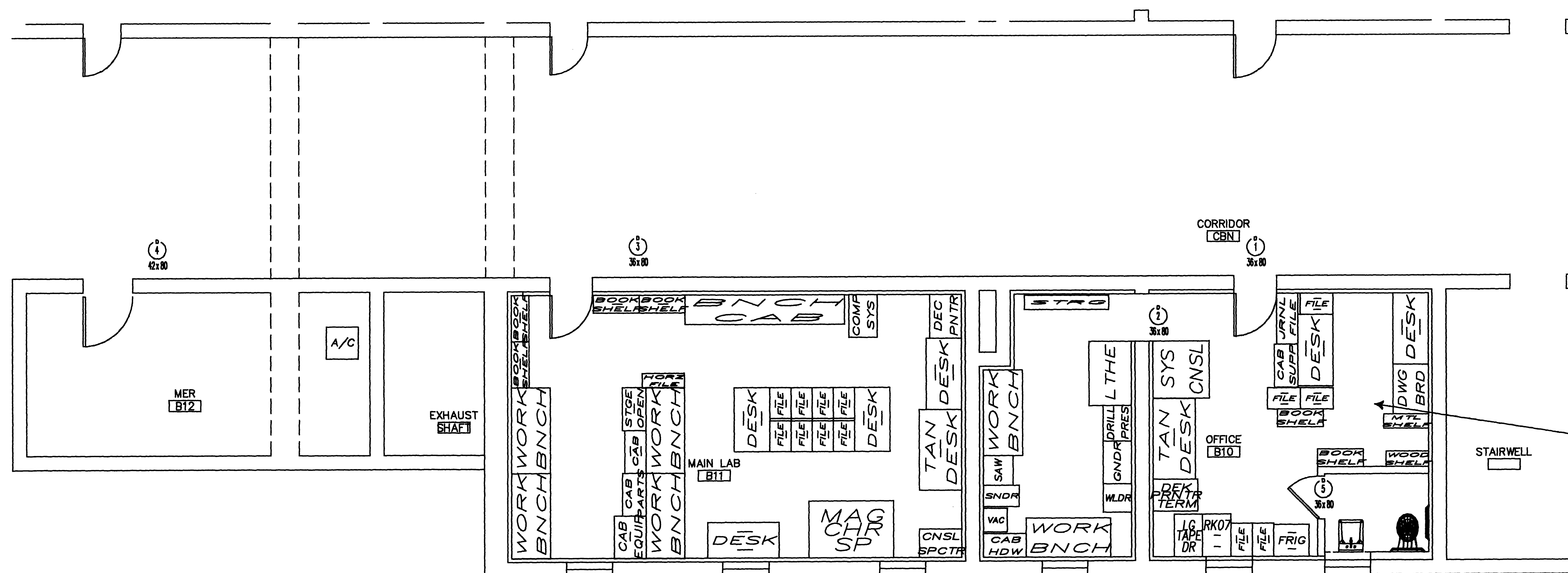
ABBREVIATIONS

A.B.	ANCHOR BOLT	GR	GRADE
A.C.	ASPHALT CONCRETE	HORZ	HORIZONTAL
A.C.U.	AIR CONDITIONING UNIT	HM	HOLLOW METAL
AGGR	AGGREGATE	ID	INSIDE DIAMETER
APPROX	APPROXIMATE	IN	INLET
ARCH	ARCHITECTURAL	INV	INVERT
ASPH	ASPHALT	INT	INTERIOR
ACM	ASBESTOS CONTAINING MAT'L	JT	JOINT
AFF	ABOVE FINISHED FLOOR	MER	MECHANICAL EQUIP ROOM
AL	ALUMINUM	MH	MANHOLE
APPR	APPROVED	MIN, MAX	MINIMUM, MAXIMUM
BITUM	BITUMINOUS	MISC	MISCELLANEOUS
BSMNT	BASEMENT	NIC	NOT IN CONTRACT
BM	BENCH MARK	OC	ON CENTER
BLDG	BUILDING	OD	OUTSIDE DIAMETER
CONC	CONCRETE	PC	POINT OF CURVATURE
CB	CATCH BASIN OR INLET	PLY	PLYWOOD
CC, OC	CENTER TO/ON CENTERS	PL	PROPERTY LINE, PLATE
C.I.	CAST IRON, CURB INLET	REL	RELOCATE
C.J.	CONTROL JOINT	R	RISER, RADIUS
C.M.U.	CONCRETE MASONRY UNIT	RD	ROAD
COL	COLUMN	REAR	REAR
CONT	CONTINUOUS	REBAR	REINFORCING BAR
CONSTR	CONSTRUCTION	REQ	REQUIRED
DET	DETAIL	RO	ROUGH OPENING
DIA, Ø	DIAMETER	SCH	SCHEDULE
DS	DOWN SPOUT	SH	SHELF, SHELVE, SHEET
DWG	DRAWING	SIM	SIMILAR
EA	EACH	SPEC	SPECIFICATIONS
ELEV, EL	ELEVATION	SQ	SQUARE
ENG	ENGINEER/ING	STR	STRUCTURAL
EJ	EXPANSION JOINT	STA	STATION
EQUIP	EQUIPMENT	STD	STANDARD
EXST	EXISTING	SS	STAINLESS STEEL
EXT	EXTERIOR	TL	TOTAL
EXP	EXPOSED, EXPANSION	TP	TOP OF PAVEMENT
FD	FLOOR DRAIN	TS	TOP OF SLAB
FIN, FF	FINISH, FINISH FLOOR	THK	THICKNESS
FLR	FLOOR	TYP	TYPICAL FOR SIM CONSTR
FT	FOOT	VA	DEPARTMENT OF VETERANS AFFAIRS
CG	CORNER GUARD	W, W/O	WITH, WITHOUT
GA	GAUGE	Ø	PHASE
GL	GLASS	W	WIDE
GYP BD	GYPSUM BOARD	±	TOLERANCE PLUS/MINUS
		VCT, VT	VYNL COMPOSITION TILE

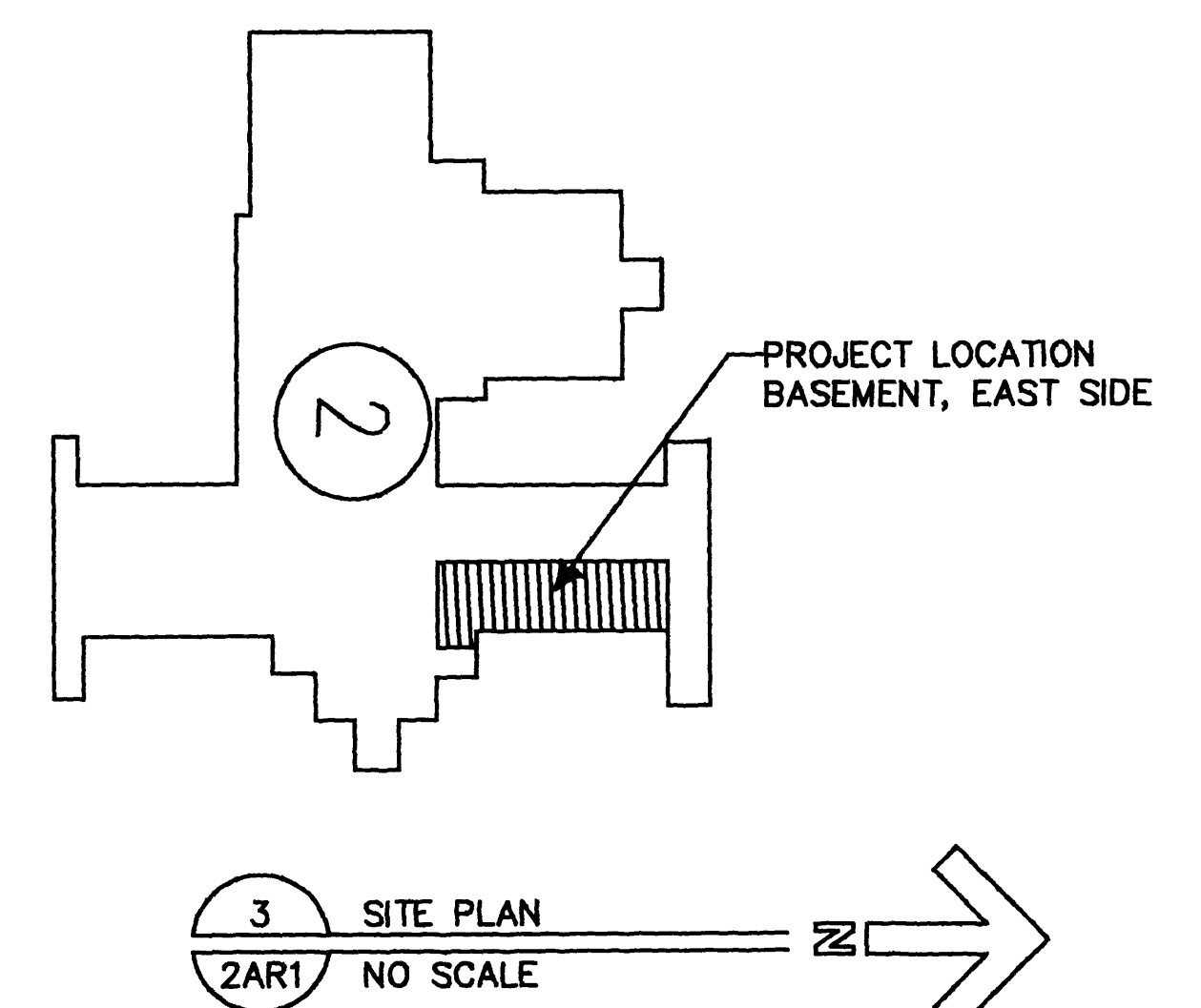
SCANNED
AUG 26 1998

Drawing Title TITLE SHEET, LOCATION MAP SITE PLAN & GENERAL NOTES		Project Title BIOPHYSICS LABORATORY BUILDING 2		Date 6/9/92
Approved Design Chief 1/8"=1'-0"		Building Number 2	Checked RB	Project No. MEDICAL COLLEGE
Approved Service Director FREDERICK BRUNH		Location MILWAUKEE, WISCONSIN	Drawn By JWD	Sheet No. 2T1

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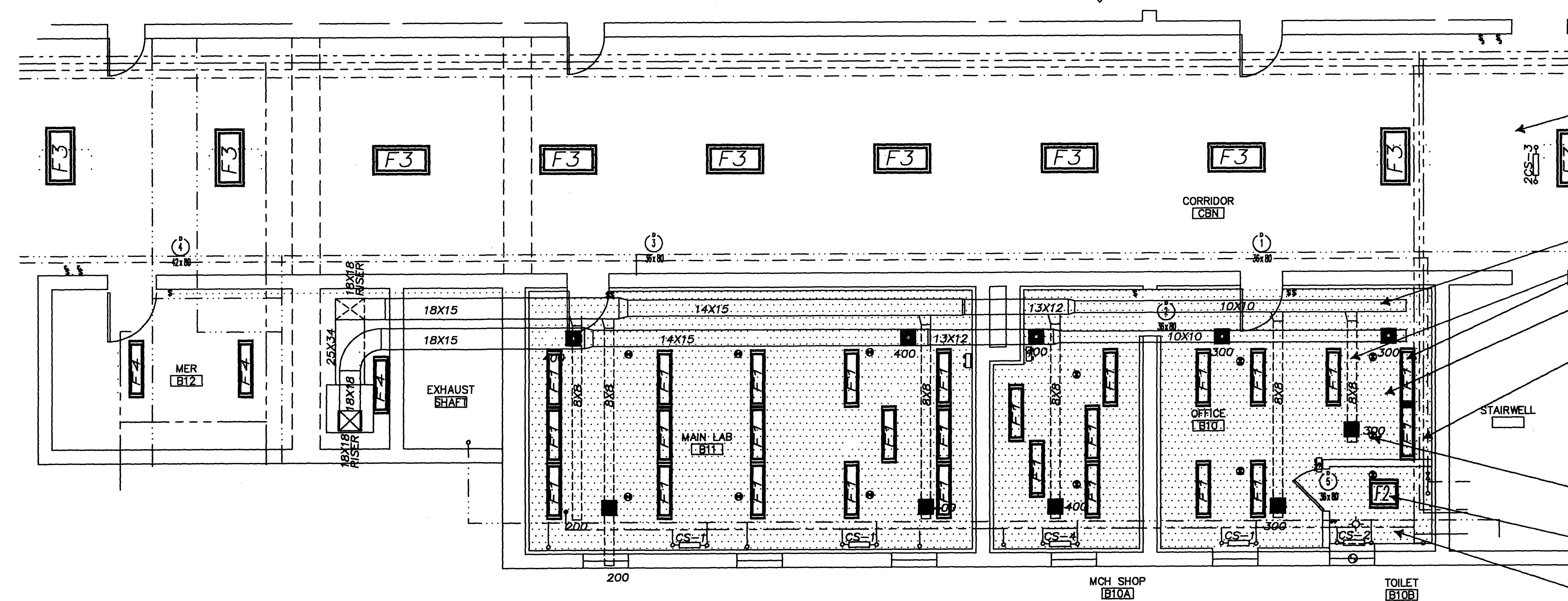


1 FURNITURE LAYOUT
2A1 1/4"=1'-0"



3 SITE PLAN
2A1 NO SCALE

COORDINATE LOCATIONS OF ALL RECEPTACLES, COMMUNICATION JACKS, LIGHTS, WALLS, ETC W/ ARCHITECTURAL LAYOUT PLAN



2 REFLECTED CEILING PLAN
2A1 1/4"=1'-0"

PATCH & REPAIR EXST CEILINGS & WALL THROUGHOUT CORRIDOR, TYP

RUN BELOW CEILING, TYP

RUN BETW FLR JOISTS, TYP

NEW 5/8" GYP BD CEILING

RUN ABOVE GB CEILING

PENDANT TYPE HEADS INSTALL PIPE ABOVE CLG

SURFACE MOUNTED

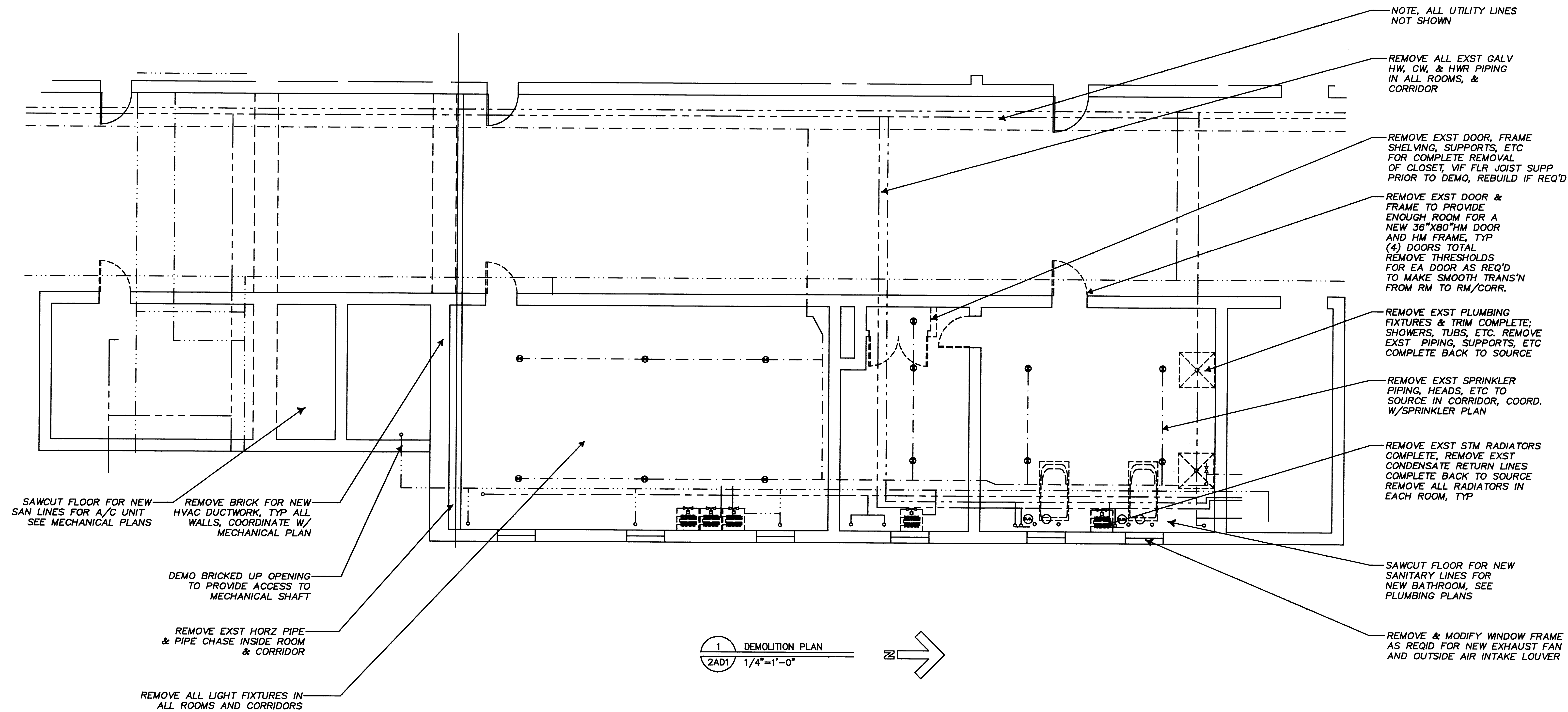
RUN BELOW CLG AS HIGH & FAR EAST AS POSSIBLE

ACTUAL WALL THICKNESSES NOT SHOWN, WALL THICKNESSES VARY FROM 12 TO 24" FIELD VERIFY THICKNESS & LOCATION OF ALL UTILITIES & DIMENSIONS

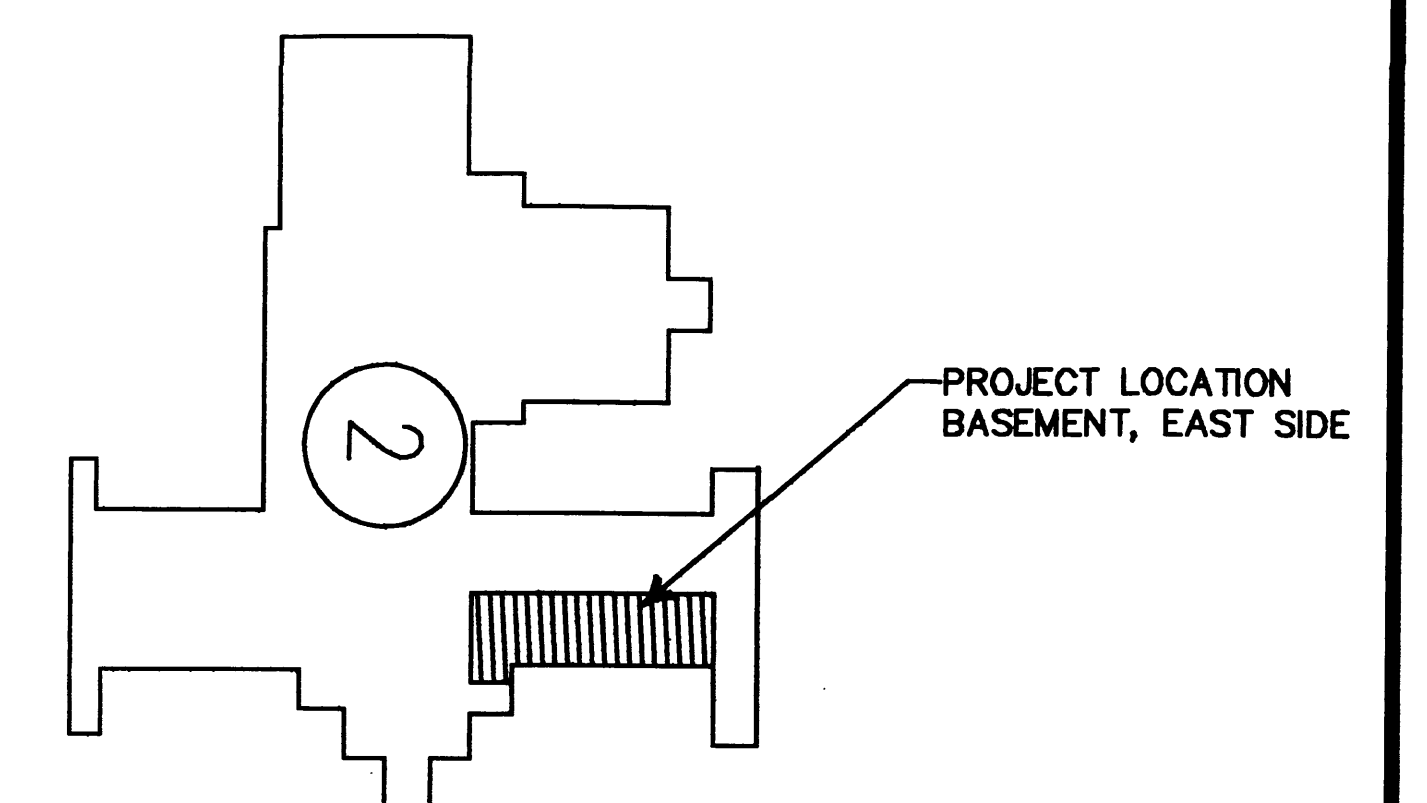
SCANNED
AUG 26 1998

Architectural Title ARCHITECTURAL LAYOUT & REFLECTED CEILING FLOOR PLANS	Project Title BIOPHYSICS LABORATORY BUILDING 2	Date 6/9/92
Approval: Design Chief 1/4"=1'-0"	Building Number 2	Project No. MEDICAL COLLEGE
Approval: Senior Designer FREDERICK BRUHN	Checked RB	Drawing No. 2A1
	Drawn JWD	Sheet 2 of 11
	Location MILWAUKEE, WISCONSIN	

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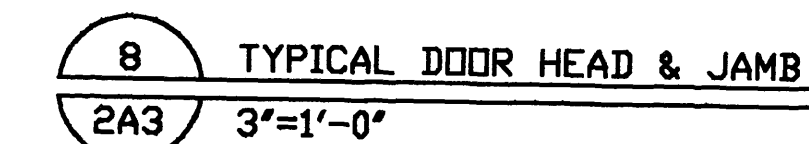
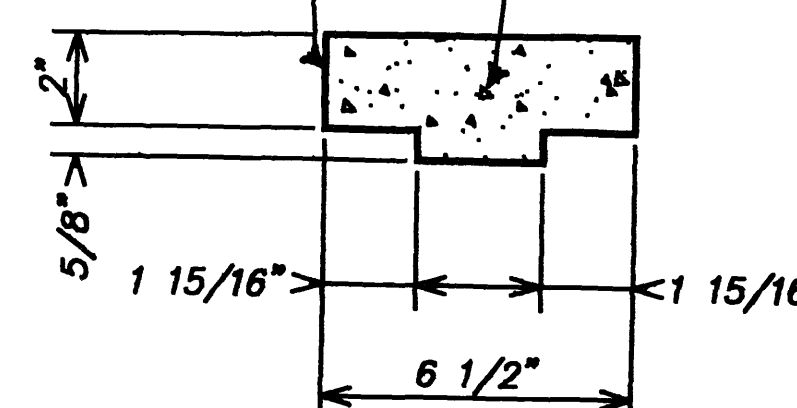
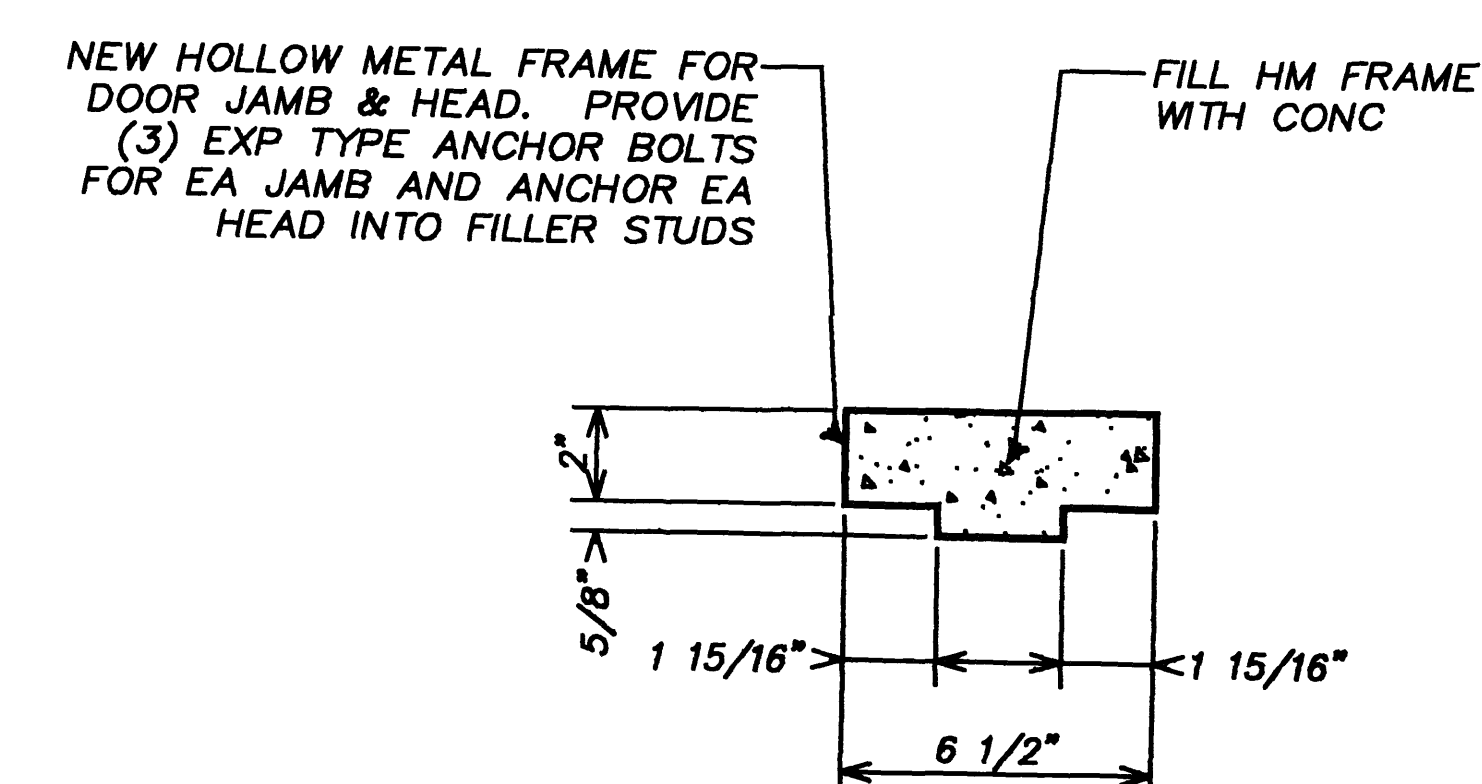
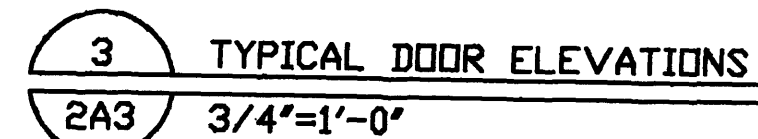
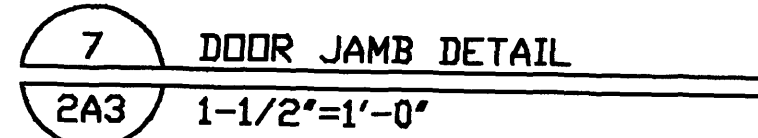
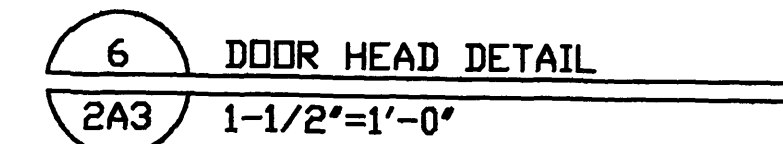
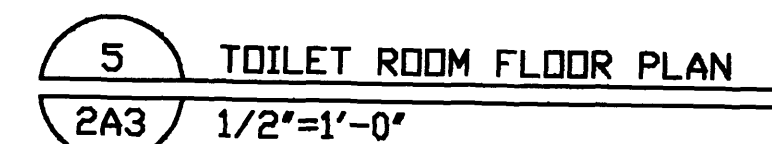
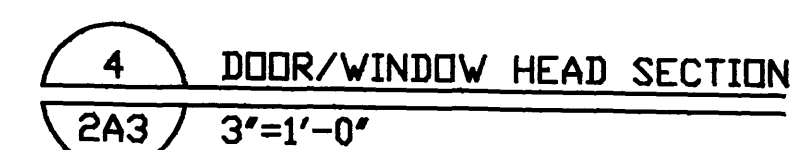
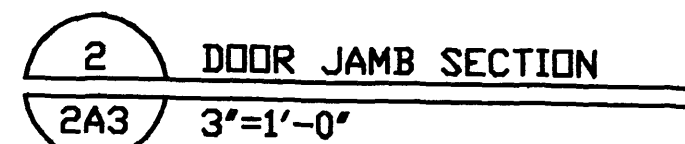
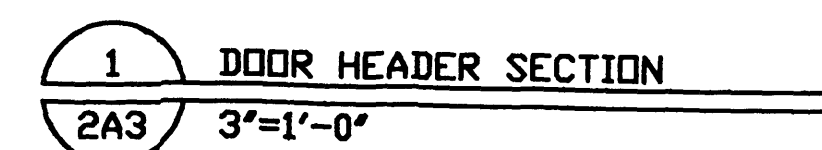
ACTUAL WALL THICKNESSES NOT SHOWN,
WALL THICKNESSES VARY FROM 12 TO 24"



SCANNED
AUG 26 1998

Drawing Title DEMOLITION FLOOR PLAN		Project Title BIOPHYSICS LABORATORY BUILDING 2		Date 6/9/92
Approved: Division Chief 1/4"=1'-0"	Building Number 2	Checked RB	Drawn JWD	Project No. MEDICAL COLLEGE
Approved: Services Director FREDERICK BRUHN	Location MILWAUKEE, WISCONSIN		Drawing No. 2AD1	Sheet 3 OF 11

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